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VOLUME 24, NO 9, SEPTEMBER 1992

CAROLINA COUNTRY

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Carolina Electric Cooperatives provides reliable and safe electric power to more than 1.6 million North Carolinians served by the state's 28 nonprofit, consumer-owned electric cooperatives. *Carolina Country* publishes information on issues of interest to co-op consumer-members who live and work in more than 600,000 homes, farms and businesses in 95 of North Carolina's 100 counties.

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Wayne D. Keller

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EDITOR
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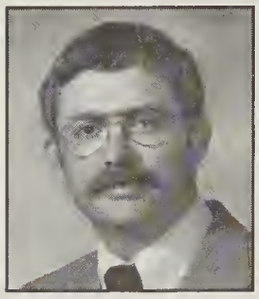
OUR VIEW

"WHAT IF...?"

This game isn't child's play

Ready for a little game of "what if...?"? Okay, here goes:



James E. Mangum

What if you were an independent trucker and you were asked to hop into your rig for a long trip with only an outdated map to guide you. You'd have to follow a rigid timetable in making hundreds of stops, picking up essential supplies along the way for delivery to swelling crowds of eager customers at various locations? And state and federal bureaucrats would be looking over your shoulder through the entire trip.

Would you take on such a tough assignment?

I can understand why you might pass, but the nation's electric utilities didn't have that option when they found themselves in a similar predicament not too long ago.

Spiraling energy costs, energy conservation, environmental concerns and a changing regulatory climate combined to fog the roadway as the utilities began charting a course that would take them into the 21st century. Their old maps, based on the traditional approach of constantly building large new generating plants as growth patterns required, were of little use.

They soon realized that they must find new routes to follow if they are to adequately meet the growing energy needs of cost-conscious American consumers through the 1990s and beyond. As a result, all segments of the industry—the large investor-owned power companies, the municipal systems and the rural electric cooperatives—began looking around for ways to handle the problem.

They have, in effect, drawn their own new maps as they adopted new strategies emphasizing smaller power plants and programs to control consumer demand. The control measures include conservation, peak-shaving systems and efforts to encourage off-peak load growth. These strategies have proven effective, allowing many utilities to delay building huge new generating facilities—and, in the process, holding down the cost of electricity.

This editorial was written by James E. Mangum Jr., general manager of Wake Electric Membership Corporation and vice chairman of Carolina Electric Cooperatives' Power Supply Committee.

North Carolina's electric co-ops led the state's utilities in establishing a statewide load management system for residential consumers throughout the state in 1983, and later introduced other peak-shaving programs and incentives to build off-peak loads. In addressing the need for new power supply resources, they built two small plants on the Outer Banks. The diesel plants provide power during periods of peak demand for energy and can be used for emergency service.

The other utilities are now following similar paths. And, all the power suppliers have adopted a new method for deciding which routes to take on those new maps. It's called "least-cost planning," and it's a lot like playing a highly sophisticated game of "what if...?" Through a painstaking process, planning specialists look at options for meeting future energy demands and come up with a cost-effective combination of solutions.

With these innovative approaches in place, the state's electric utilities are gearing up to meet the future energy needs of Tar Heel consumers. That's no small challenge because North Carolina is expected to grow faster than other parts of the country during the next 15 years. Forecasts call for the state's population to rise by one percent a year while the nation grows by six-tenths of a percent. In addition, the power suppliers predict that overall demand for electricity will rise by between 1.7 percent and 3.1 percent a year.

I believe the utilities are moving smoothly along, following carefully chosen new routes into the 21st century and beyond.

As a consumer-member of an Electric Membership Corporation, you can be sure that the co-ops will make the trip with the same mission that has guided them over the past 50 years: to provide quality service at the lowest possible cost consistent with sound business practices.

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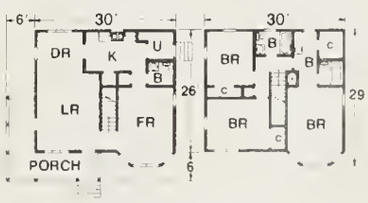

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FEATURE

SEEK 'LEAST COST' OPTIONS

Power suppliers use new strategies to gear up for growth

BY JANE HAIRSTON ROMANI

As any Tar Heel will tell you, North Carolina is blessed with a temperate climate, an affordable cost of living and a high quality of life. These blessings haven't remained a secret, however. In the last decade, our state witnessed unprecedented economic growth and a rising population, as more and more businesses and employees relocated to the Sunbelt in search of a better living and a better life.

For the utilities industry, this growth in North Carolina's economy and population has meant a rising demand for electric power from both residential and industrial/commercial customers. Although the pace of growth has slowed in the last few years, it's not likely to stop.

"Over the next 15 years, we think North Carolina's population will continue to grow at a faster pace than that of the U.S. as a whole," predicts Doug Culbreth, director of the Energy Division of the North Carolina Department of Economic and Community Development.

"While the U.S. population will probably average six-tenths of a percent annual growth during this period, in North Carolina we're looking at an annual rate of about one percent."

Continued economic and population growth mean a continued increase in the demand for electric power. Both investor-owned utilities (IOUs) and North Carolina's electric cooperatives are preparing for substantial growth in demand into the next century.

The cooperatives expect to see even greater increases in demand than the IOUs, says Mike Chevalier, Carolina Electric Cooperatives, the statewide organization that serves

North Carolina utilities are preparing for substantial growth into the next century.

North Carolina's 28 Electric Membership Corporations (EMCs).

As rapid growth in urban centers takes up available space, population is increasingly spilling over into formerly rural communities. These communities are often part of protected territories areas served by rural electric cooperatives.

"Through the year 2010, we expect an average annual rate of growth of about 3.1 percent, a bit more than what the IOUs are forecasting," says Chevalier. "I'd say that's a pretty typical figure for most generation and transmission cooperatives."

Duke Power predicts an annual growth rate of about 2.4 percent over the next 15 years. Carolina Power and Light cites a slightly lower figure of 1.7 percent expected annual growth for the same period. North Carolina Power, which serves more than 100,000 customers in the state's northeastern corner, expects to experience an annual rate of growth of 2.8 percent through the end of the decade.

As utilities search for ways to meet this increasing demand for electric power, they face a variety of new challenges. Rising costs for land and construction of new plants, greater concern about our natural environment, and a tighter regulatory atmosphere mean that traditional strategies are no longer workable.

In the past, most utilities focused primarily on the supply side, building capacity continuously in anticipation of expected growth, explains David Beam, manager of planning for Carolina Electric Cooperatives.

In those days, he says, sites were easier to find and plants were cheaper to build. It's a picture that has changed radically in the last few years.

"The energy crisis of the 1970s made energy prices skyrocket, so many people became interested for the first time in conserving energy," says Beam. "Yet a lot of utilities had new plants under construction in anticipation that demand would continue to rise. That left many of them with capacity they didn't need

and an expensive plant to pay for. That made energy costs rise even further, leading to even more conservation by consumers."

In addition, environmental regulations have made it more difficult for utilities to secure approval from public utilities commissions for new plants, particularly base-load nuclear or fossil fuel plants.

All of these factors have made the industry rethink its whole strategy, says Beam. Now, rather than focusing primarily on power supply solutions, utilities are using a more balanced approach.

"The emphasis has moved away from just building additional capacity more or less continuously," Beam says. "Instead, utilities are also looking at what can be done to control demand, such as conservation and load management programs. These programs can't eliminate the need for more capacity, but they can help to control the rate of growth. That gives utilities some breathing space and enables them to make do with fewer new plants."

Known as least-cost integrated resource planning, this multi-solution approach has become standard practice for both IOUs and cooperatives.

"The idea of least-cost planning is to look at lots of different options affecting either power supply or consumer demand," Beam says. "Then you put together a combination of solutions that will do the job as cost-effectively as possible."

IOUs and many rural cooperatives now offer a variety of programs to control demand by both residential and industrial/commercial customers. These programs fall into three categories: conservation, load control and strategic load growth.

Conservation programs may include energy audits and special rates for energy-efficient homes and businesses. Many utilities also offer low-interest loans to pay for insulation, storm windows and doors, caulking and weatherstripping, high-efficiency heat pumps and other energy-saving devices.

For example, Duke Power offers a program for industrial/commercial customers called "demand side bidding."

Under this arrangement, a business presents a proposal on specific steps that would reduce its demand for power. High-efficiency lighting or more efficient motors, for instance, might reduce Duke's demand enough to justify offering the business a discounted rate. Each proposal is evaluated on its own merits, and if the payback is sufficient, Duke may cover part of the cost.

"With this program, we can help businesses reduce their energy costs and also help ourselves in the long run by reducing our total demand," Duke's Randy Wheeless says.

Efforts to control load usually involve tactics that reduce demand during peak hours. For residential consumers, this might require special switches that shut off their air conditioners or water heaters during peak hours. They usually receive financial incentives to participate in these voluntary programs.

Programs promoting load growth, by contrast, focus on adding demand during non-peak hours.

Under the EMCs' security light program, for example, consumers can rent a yard light to increase visibility around their homes during evening hours. Participating cooperatives benefit by selling more kilowatt hours during the non-peak period. This reduces the average cost-per-kilo-

continued on page 8

Growth Trends Within Service Area
Carolina Electric Cooperatives

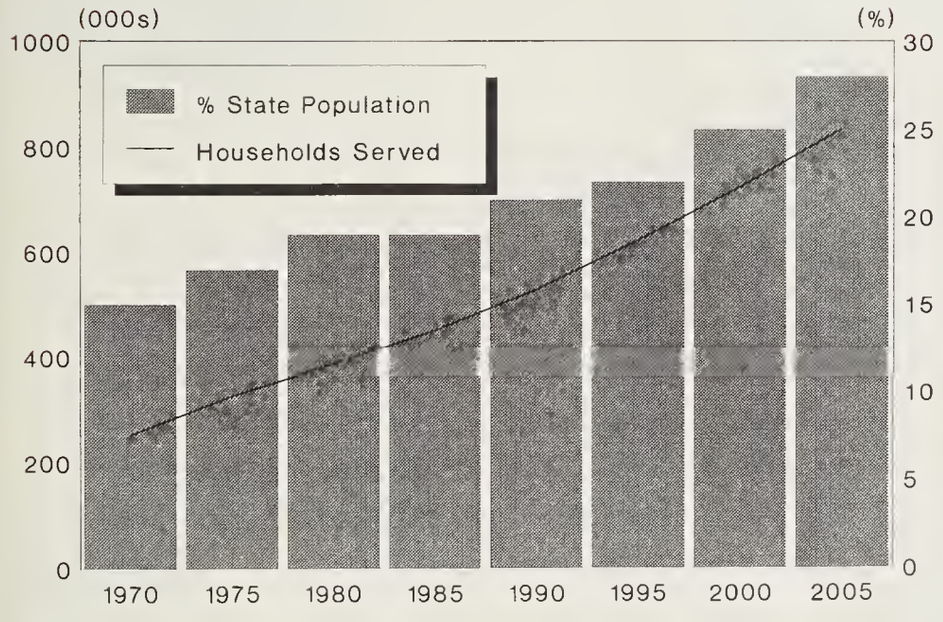

Chart shows growth since 1970, projected to 2005, in number of households and percentage of state population in service area of Carolina Electric Cooperatives' member co-ops.

watt-hour for all consumers, even if they don't participate in the security light program.

With the success of efforts like these, most utilities are looking to expand their demand side management efforts in the years ahead. Virginia Power plans to expand its demand side management programs by 70 percent through the end of the decade and Duke Power plans an ambitious 200 percent expansion over the next 15 years.

The benefits of managing demand are even more important for rural cooperatives than for IOUs, says Mike Chevalier.

"Unlike IOUs, at Carolina Electric Cooperatives, we purchase most of our power rather than generate it ourselves. We have two peaking plants on the Outer Banks, and we own part of the Catawba Station, a baseload plant near Charlotte. It's a joint venture involving Duke Power and other utilities.

"Still, the bulk of our power comes from external sources. By reducing our demand for high priced peaking energy, the demand side management programs help us to provide energy to the electric cooperatives at the lowest possible cost."

Meanwhile, strategies affecting power supply are changing as utilities take advantage of cost-effective new options for generating additional capacity.

In the past, most utilities relied on large nuclear or fossil fuel plants to supply power. Expensive to build, they nonetheless provide cost-effective baseload capacity. However, these types of plants require a substantial lead time of as much as 10 to 15 years for planning and construction. Growing environmental concerns and a tighter regulatory atmosphere have also made it more difficult in recent years to secure regulatory approval for such plants.

To counteract these problems, many utilities are now emphasizing combustion turbine peaking plants over the traditional baseload plants. Powered with gas or oil, these peaking plants are simple and inexpensive to build.

Utilities are taking advantage of cost-effective new options for generating additional capacity.

"It's a matter of getting the right mix of generation to handle different needs," David Beam says. "But more and more, utilities are turning to these combustion turbine plants to manage their peak capacity requirements."

Bill Byrd of Virginia Power describes the combustion turbine this way: "It's like a jet engine strapped to the ground. The turbine spins a generator that produces electricity."

Obtaining regulatory approval is much easier with a combustion turbine than with a nuclear plant or a large coal facility. In addition, the peaking units require far less lead time than do baseload plants—only about two years. However, because they are more expensive to operate, they are generally used only to handle peak period demand.

For example, Duke Power received final permits to build its Lincoln Combustion Turbine Station in December, 1991—only 26 months after announcing plans for it. The plant will begin operating in stages between 1995 and 1997. Duke also plans to build another turbine peaking plant that would begin operating between 2002 and 2005.

Carolina Power and Light is also planning to add several combustion turbine peaking plants over the next 15 years to handle projected needs.

"All of our planned generation additions between 1996 and 2006 are combustion turbines," says Kyle Hampton of CP&L.

North Carolina Power's parent company, Virginia Power, recently began operating its combined-cycle Chesterfield 8, a dual combustion turbine and steam turbine plant. In addition, the company is building another plant as a joint project with Virginia's Old Dominion Electric Cooperative. The twin 393-megawatt plants, which will burn pulverized coal, are scheduled to begin operating in 1995 and 1996.

"It's an intermediate unit, halfway between a baseload plant and a single combustion turbine plant," Bill Byrd says. "It's economical enough to operate almost as frequently as a baseload plant, without the problems that type of plant presents."

New strategies like these have enabled North Carolina's IOUs and electric cooperatives to meet their customers' needs cost effectively, within a rapidly changing environment.

This kind of flexibility and innovation will be increasingly important as the industry works to fuel North Carolina's growth into the 21st century.

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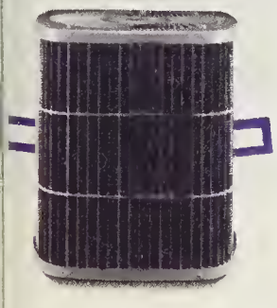

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FEATURE

FILM PROJECT BOOSTS LOCAL ECONOMY

When Hollywood came to the banks of Lake James

BY MICHAEL E.C. GERY
ASSOCIATE EDITOR

They were 100 unforgettable days in Burke and McDowell counties.

It was the summer of 1991, when the big-budget motion picture "The Last of the Mohicans" was filmed here. Those days will be revisited this fall when 20th Century Fox releases the movie in theaters across the United States.

When you see the movie, you may recognize some of the scenery. But you'll have to watch closely. Most of the set was created to look like the New York state wilderness of the mid-18th century. Nevertheless, North Carolina's Lake James looks like Lake James, even though it's supposed to be New York's Lake George during the French and Indian War of the late 1750s.

The $40 million-plus film is the biggest movie production ever filmed in North Carolina. Promotion is expected to be big-time, too, with comparisons drawn to the box office hit "Dances With Wolves."

Whether or not audiences make "Mohicans" a hit, the movie has enhanced North Carolina's reputation as a hospitable location for the film industry. The state already vies with California and New York as a sought-after place for location filming—as well as post-production work.

In 1990, the state attracted some $426 million in revenue from movies, television shows and commercials produced here, according to the N.C. Film Office in Raleigh.

Movies such as "Bull Durham," "The Color Purple," "Teenage Mutant Ninja Turtles," "Winter People," "Sleeping With the Enemy," "Alligator Eyes" and "The Butcher's Wife" used North Carolina as a backdrop.

Lake James, in fact, provided the scenery for the closing moments of "The Hunt for Red October."

"Mohicans," however, takes the cake as the biggest production in the Tar Heel state so far. Its 44-acre set was the largest on-location set ever built east of the Mississippi River.

The project's economic impact on Burke, McDowell and surrounding counties amounted to $9 million (see box, page 11).

Daniel Day-Lewis, who won an Academy Award for his performance in "My Left Foot," stars as Hawkeye, the frontiersman, in "The Last of the Mohicans," which was filmed in Burke and McDowell counties. (Photo by Frank Connor)

BIG NAMES, BIG MONEY

The movie stars Daniel Day-Lewis, who won an Oscar for his performance in "My Left Foot." He plays Hawkeye, the colonial scout also known as Natty Bumppo in James Fenimore Cooper's 1826 novel. The character joins two Mohicans and an English party bound for Fort William Henry.

Other stars include Madeleine Stowe ("Revenge"), Johdi May ("A World Apart"), rising heartthrob Eric Schweig, and American Indian activist Russell Means, who plays Mohican leader Chingachgook. The director is Michael Mann ("Miami Vice") and the producer is Hunt Lowry ("Revenge").

The recreated Fort William Henry overlooking Lake James was the center of much of the filming, but a major massacre scene was shot off Tom's Creek Road, in northeast McDowell County.

Although Swain County's Fontana Lake, Rutherford County's Chimney Rock and sites in neighboring states were scouted as locations, the McDowell Chamber of Commerce, the Burke County Chamber of Commerce, the Burke Economic Development Council, and other regional partisans attracted Lowry and the Forward Pass Production Company to Lake James during the winter of 1990-91.

One of the regional draws was Troy-based general contractor Pryor Gibson, who had built the sets for various films, including those in Anson and Union counties for "The Color Purple."

Gibson, a one-time state representative, operates Pryority, a business which contracts work on various kinds of big projects.

I must say Rutherford EMC was fantastic!

—Pryor Gibson
general contractor
for "Mohicans" production

Gibson's achievements on the mammoth "Mohicans" production were considered an all-out success when filming ended, and his set design already is expected to be in the running for an Oscar nomination.

"It really was dadgum incredible!" Gibson said of the "Mohicans" project. "The production company came in three weeks before we expected them. Then we worked 101 days, seven days a week, 18 hours a day. It rained 60 of those days. We had nine cranes, 180 workers, 18 subcontractors working in rain, hail and the wettest, hottest season I've seen in years. And in 100 days, with all the cooperation of local people and businesses, we took a mountaintop, put up a set, and then returned the place to better than its previous condition."

The fort's design was based on a 1755 lithograph of Fort William Henry. To reproduce it at Lake James, Gibson ordered more than two million board feet of lumber, 5,000 sheets of plywood, 19 tons of nails and bolts. Construction required built-in special effects to allow the 160,000-square-foot fort to take simulated attacks, and eventually to burn and collapse.

Gibson said 20 men worked five days just to control the green shoots which sprouted where they were not wanted; they even painted leaves brown. Another crew of five worked full-time chinking and re-chinking the fort's mud and straw plaster.

continued on page 12

WHAT IS A BIG-BUDGET MOVIE?

Forward Pass Production Co. spent almost $9 million in western North Carolina during the eight months it took to make "The Last of the Mohicans," according to figures reported last March by the N.C. Department of Economic and Community Development.

The expenditures were reported as follows:

Local crew salaries:	$ 2,800,000
2,000 extra actors:	$ 1,100,000
Construction materials:	$ 2,600,000
Hotels and motels:	$ 344,246
Transportation:	$ 830,419
Cellular telephones:	$ 43,596
Bus service:	$ 171,850
Dry cleaning and wardrobe:	$ 34,246
Office supplies:	$ 124,985
Police assistance:	$ 28,057
Portable toilets:	$ 67,147
Trash removal:	$ 21,000
Catering:	$ 731,485

He also needed the help of the area's power supplier, Rutherford Electric Membership Corporation (EMC), Forest City.

"I must say the Rutherford EMC was fantastic!" Gibson said.

High-voltage power lines run next to Route 126 in the Linville Access Area of Lake James, the site of the set. Rather than follow the example of "The Color Purple" and have the power lines "painted out" during post-production, the filmmakers arranged to have 2,680 feet of overhead lines buried and the poles removed.

The 7,200-volt lines are maintained by the EMC's Burke-McDowell district manager S. Dirk Burleson and the EMC's operations manager Joseph H. Joplin. They oversaw placing the lines in a trench during the "Mohicans" production.

Lake James in McDowell County became New York state's Lake George for the Michael Mann film, "The Last of the Mohicans," which is set during the French and Indian War of the 1750s. The lake was also used as a backdrop for a portion of the film, "The Hunt for Red October."

"I can't say enough about the EMC's work," Gibson said, who had similar praise for the help he's received on previous films from Pee Dee EMC, Wadesboro; Brunswick EMC, Shallotte; and Randolph EMC, Asheboro.

"Burying those lines was critical to shots of the fort," he said. "It wasn't easy and it wasn't cheap. But these men did it quickly and efficiently, and at their cost."

Gibson was equally impressed by the skills of local trades and crafts people. He said about 90 percent of the materials and labor came from within a 20-mile radius of the work site.

Burke Paving and Grading alone took in about $295,000 and Lowe's Hardware in Morganton, $153,000.

Thousands of local people offered to work on the production. Aspiring actors auditioned in Asheville and Morganton for the chance to be extras at the going rate of $50 per day. Members of the Catawba Militia applied to play British or French soldiers. Residents of the Cherokee Indian Reservation were heavily recruited.

Marion chiropractor and preservationist Bill Bell ferried production workers around the lake. Old Fort hairstylist Melody Thomason and McDowell County barber Scotty Willis worked on actors' heads. Asheville artist Dan Davis made 26 Iroquois pots. The youth camp Camp Adventure in Old Fort housed many of the extras, mostly Indians.

Extras were cast as Indians, British soldiers, French soldiers—sometimes as all three. The cast assembled at about 3 p.m. for make-up and costumes. The woolen militia uniforms were reportedly very uncomfortable in the July heat. Most of the filming was at night, with lunch breaks at 11 p.m. Shoots would break up at about 4 a.m.

"Mohicans" had an eight-month presence in the area when all was said and done. During that time, there were few major problems, said Mike Conley, the Morganton News-Herald reporter who covered the activity. The only disruptions were the inconvenience to lake area residents who could not use Route 126 to drive to Morganton (19 households received a total of $3,780), the occasional sound of explosives, and the non-union wages paid to all local workers. A representative of the International Alliance of Theater and Stage Employees tried unsuccessfully to organize some of the local labor. And early in the filming, some American Indian and other extras complained about working and lodging conditions.

But all complaints soon dissolved as area residents anticipated seeing the movie.

The producers first hoped for a May 1992 release. That was revised to summer of 1992 after pre-release screenings in the Los Angeles area. 20th Century Fox posters announcing the movie as "coming this summer" actually appeared in local cinemas in the spring, as did "summer release" publicity in movie magazines. Finally a late September release was considered final by the Fox publicity office in Atlanta, and previews began appearing in theaters in August.

The citizens of Burke and McDowell counties hope at least to see "Mohicans" open locally as a special preview. They are trying to keep late September dates open at the Morganton Municipal Auditorium, just in case.

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CCP92

FEATURE

WHAT WOULD YOU DO WITH 400 TREES?

Hurricane Hugo's unexpected legacy

TEXT AND PHOTOS BY
MICHAEL E.C. GERY
ASSOCIATE EDITOR

The Sept. 22 anniversary of Hurricane Hugo doesn't usually call for a celebration.

But Tony and Mary Anne Orlando of Union County remember Sept. 22, 1990—the first anniversary of the hurricane—as the day they got the building permit for their new house. A year earlier Hugo forced them out of their old house.

How did they get by during the year in between? Read on.

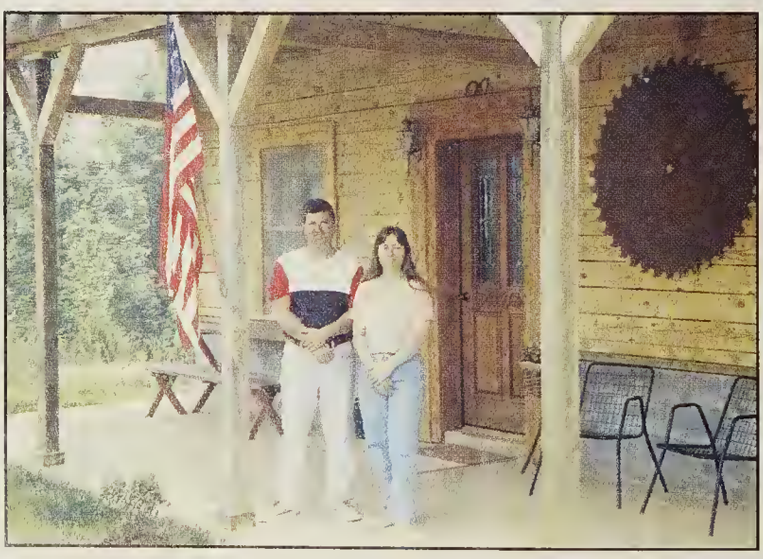
As Hugo developed offshore on Sept. 22, 1989, the Orlandos drove three and a half hours to the coast to protect their small vacation home at Long Beach. By the time they arrived, the storm was about to hit. The young couple tied down what they could and headed for a designated shelter at a school 15 miles inland.

Once the storm had passed they returned to their beach lot and were relieved that damage was slight. They stayed the night and slept calmly, thankful that their beach place had been spared.

Next morning they learned that Hugo had veered northward to Charlotte.

"We realized something might have happened back at home," Tony remembers.

On the drive to Union County, they discussed borrowing a chainsaw in case any trees had fallen. They had borrowed a saw in the past when a limb or tree fell somewhere on their 10 acres of mostly wooded land in northeast Union County. But they decided this time to buy a chainsaw, anticipating that Hugo might have damaged a few trees.



Tony and Mary Ann Orlando are proud of the log home they built themselves.

They soon saw they would need more than a chainsaw. Hugo had twisted, snapped or otherwise pushed over almost 400 trees at the Orlando place.

"We couldn't even walk through the driveway," Tony says. "We had to climb through it to get to our mobile home. It looked like broken matchsticks all over."

Three trees had fallen onto the mobile home, but Tony and Mary Anne could pry their way into the house, and it was liveable inside. But electric power was out for 13 days. The crew from Union Electric Membership Corporation, Monroe, told the Orlandos the damage at their place was the worst in the area by far. Neighbors said a twister passed through the area.

It took about three days to cut a path through the driveway.

"We thought we might sell the place," Mary Anne remembers. "But the property was devastated. It looked worthless."

"There was nothing else to do but cut up the trees," Tony says. "We thought we could sell the logs, anyway. We made some calls. But everyone was tied up on bigger jobs. No one was going to come out here. So we just kept on cutting them ourselves. I just didn't go to work. I cut trees all day long."

Looking at logs 10 and 20 feet long strewn about, Tony and Mary Anne decided to buy a tractor to tow them aside. They bought a 1955 Ford.

"I had never been on a tractor," Tony says. "It poured rain the day I

drove it back here, five miles it was. ... At first, it would take me a couple hours just to move one log."

The Orlandos own and operate the Carolina Gymnastic Centre, a training school in Mint Hill which they established in 1980 when they moved to North Carolina from Paterson, N.J. The autumn that Hugo hit, Tony spent most days cutting and hauling pine trees around their property. Mary Anne attended to business at the school.

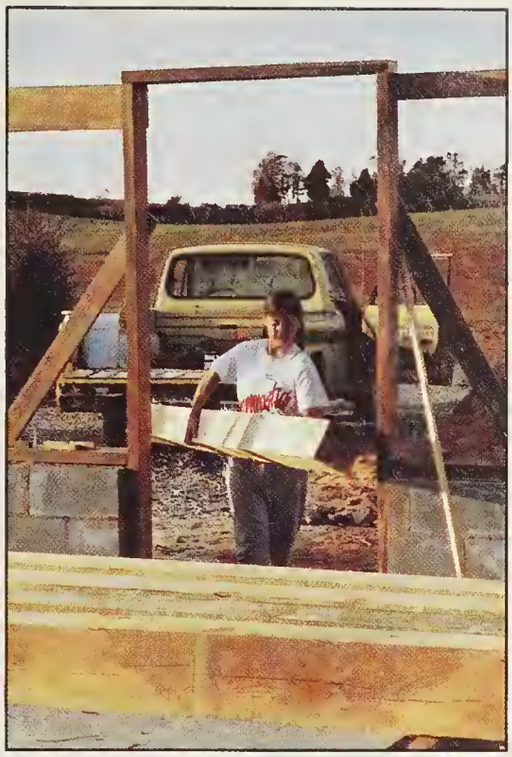
By winter, they still couldn't find anyone to buy their pine logs.

Tony recalls, "A buddy of mine said, 'Why don't you build a log cabin with all these logs?' We laughed."

But one day they borrowed a library book on how to build log homes. And they talked with a friend who had built his own log home.

"I had absolutely no background in building," Tony says. "All I ever built in my life was a dog house using a handsaw and a hammer. But, I must admit, it was a big dog house. We had a great Dane.

"But when I read in a historical book about how they built log cabins with axes, I realized it was possible for us to do it, too."



"We lifted this house three times."

And they did. Just the two of them.

FROM DISASTER TO BLESSING

"We just did what we had to do," Mary Anne says.

They didn't draw up elaborate plans or hire specialists. The closest they got to a plan was something they built with a set of toy Lincoln Logs Mary Anne gave Tony as a birthday present.

"I had never been on a tractor."

It was dangerous work for two novices. An arborist friend saw Tony fighting with a tree one day and said to Mary Anne, "You know, this is called a 'widow maker' job."

That is when the Orlandos decided to buy a portable saw mill. They saw one advertised in *Carolina Country* for $9,000 and ordered it. To pay for it, Tony sold his baseball card collection and they spent all their savings.

"That is when we knew there was no turning back," Mary Anne says.

They sawed and stacked lumber every day of the week for six months.

"It got to the point," Mary Anne says, "where we looked forward to going to work at the gymnastics school afternoons or weekends, just for the relaxation."

When they got their building permit a year after Hugo struck, they were ready to site the house. The only site on their property that passed a percolation test was the farthest from the logs. They had to pick up all the stacked lumber and move it.

As Tony sees it, "We lifted this house three times."

On November 1, 1990, a cement contractor poured the footings for the house. Exactly a year later, the Orlandos moved into a brand new, 1,200-square-foot log house they built entirely themselves.

What kept them going, they say, was their faith in God.

"The Lord had everything under control," Tony says. Despite several close calls, neither Tony nor Mary Anne was injured during the two-year project.

But it never was easy. The two worked on this house every day of every month for two years.

As they set the 6-by-6-inch logs on one another, they applied silicone caulk to each course of logs, thinking they'd save a step in caulking the whole building later. By the 15th course of logs, after 400 tubes of caulk, they noticed water behind the caulk.

"The house had settled," Mary Anne remembers with a sigh of agony. "All this milky water and caulk were running down the side. We had to scrape all the caulk off and bleach all the wood. It was a mess. It took us three weeks."

The summer of 1991 was the hottest they could remember, and the Orlandos spent much of it sweating inside the log house, building floors, steps, cupboards and shelves.

As they neared the end, they realized they would have just enough lumber. Without planning it, they managed to finish the job with no spare logs, only slabs and scraps, which they use for the woodstove fire.

Having kept a daily "log" of their work, they figured their new house was made of 300 pine trees, 50 cedars (for trim and interior work), and 25 oaks (interior).

"The disaster slowly turned into a blessing," Mary Anne says today. "We have a beautiful house on the land we love, with no mortgage. This was given to us."

"This reaffirmed our faith in Christ," she added. "We realize who gets the credit for this."

Now, Tony and Mary Anne Orlando are relaxed about applying the finishing touches to their house. They finally placed caulk in the chinks this summer. Memorable pieces of oak and pine are set in noticeable places inside. The rooms are open and bright and carry a pleasant cedar scent. The big old saw blade from the portable mill hangs under the porch roof.

Once in a while, they show guests the videotape they made, or the photo album. But most of the time, the Orlandos think of themselves as "retired" house builders.

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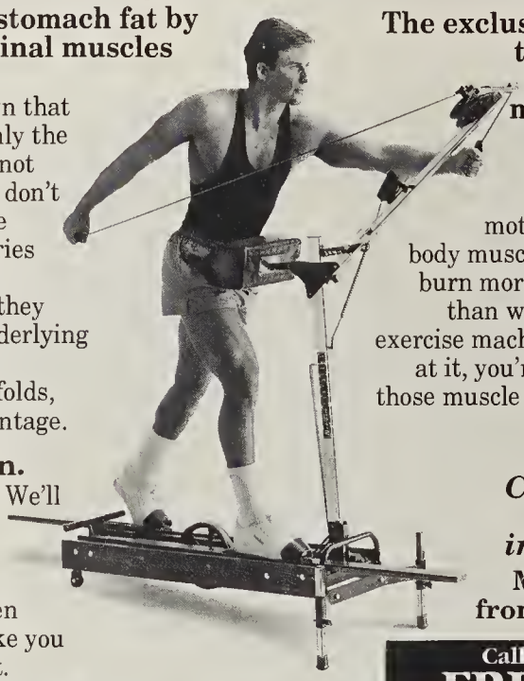

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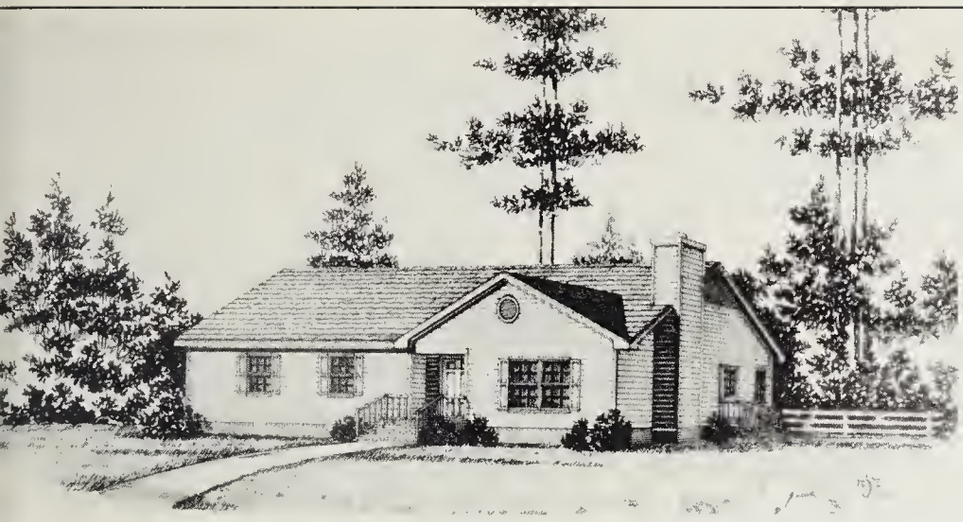

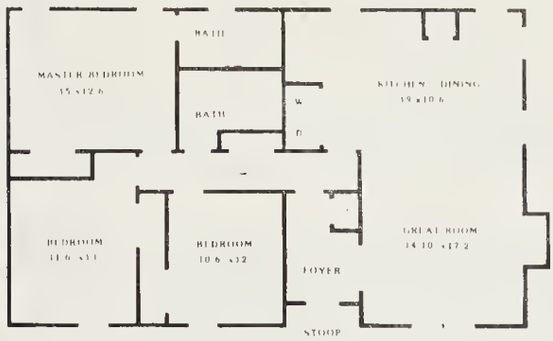

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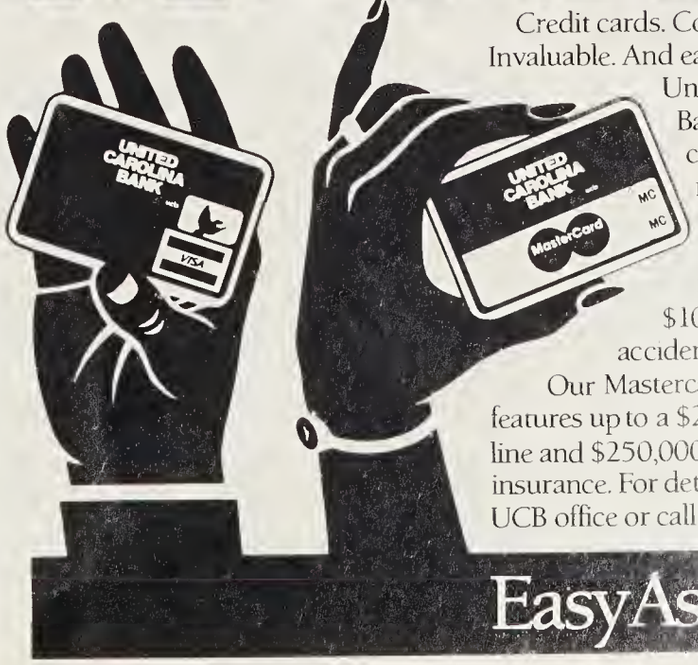

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EMC Annual Meetings Calendar

October

Date	Electric Membership Corporation	Time	Location
1	Pee Dee, Wadesboro	Registration: 6:30 p.m. Business Mtg.: 7:30 p.m.	Rockingham Senior High School Gymnasium, US Hwy. #1 N., Rockingham
2	Central, Sanford	Registration: 6:00 p.m. Business Mtg.: 7:30 p.m.	Lee County Civic Center, Sanford
3	Surry-Yadkin, Dobson	Registration: 8:00 a.m. Business Mtg.: 10:00 a.m.	Surry Central High School, Dobson
	Tideland, Pantego	Registration: 1:30 p.m. Business Mtg.: 3:00 p.m.	Learning Resources Center, Beaufort County Community College, Hwy 264 E., Washington
	Union, Monroe	Registration: 7:00 a.m. Business Mtg.: 10:45 a.m.	Wingate College, Hwy. 74, Wingate
5	Cape Hatteras, Buxton	Registration: 7:30 p.m. Business Mtg.: 8:00 p.m.	Cape Hatteras School Auditorium, Buxton
	Four County, Burgaw	Registration: 6:30 p.m. Business Mtg.: 7:30 p.m.	Pender High School Gymtorium, Burgaw
10	Brunswick, Shallotte	Registration: 8:00 a.m. Business Mtg.: 10:30 a.m.	Shallotte Middle School, Shallotte
	Crescent, Statesville	Registration: 8:00 a.m. Business Mtg.: 10:00 a.m.	Statesville Senior High School, Statesville
	Davidson, Lexington	Registration: 9:15 a.m. Business Mtg.: 10:00 a.m.	Central Davidson Senior High School, Lexington
20	Lumbee River, Red Springs	Registration: 6:00 p.m. Business Mtg.: 7:00 p.m.	Givens Performing Arts Center, Pembroke State University, Pembroke
31	Rutherford, Forest City	Registration: 10:00 a.m. Business Mtg.: 11:00 a.m.	East Rutherford High School, Forest City

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"GOLD FOR A QUEEN" IS FIT FOR A COVER

The title of our cover illustration this month is "Gold for a Queen". Orange County artist Don Reardon prepared the acrylic original especially for use on the *Carolina Country* cover.

The painting features American Goldfinches on Queen Anne's Lace.

Reardon, a native of Henderson, has been a fulltime artist since 1987. The former commercial artist specializes in wildlife images and outdoor scenes. He recently won honors in a national juried competition in Winston-Salem and received first and fourth place awards at the 1991 North Carolina Wildlife Show in Raleigh.

The artist, who has a degree in commercial art from Alamance Community College, is a consumer-member of Piedmont Electric Membership Corporation, Hillsborough.

"Gold for a Queen" is available as a signed-and-numbered limited edition print with an image size of 10 by 15 inches. The prints are $40 each, including tax and shipping charges.

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OPENS IN RALEIGH OCT. 16

It's North Carolina State Fair season!

A harvest festival scene, an operating grist mill, sand sculptors, grandstand concerts and Dorton Arena performances by top entertainers are among the highlights of the North Carolina State Fair schedule this year.

The fair, which opens its 10-day run Oct. 16, will be presented with a refurbished backdrop following various improvements at the State Fairgrounds in Raleigh.

The sandcastle sculptors, who hail from San Diego, will begin work the first day of the fair and conclude Oct. 25 by completing an entire city of sand.

The Sam Rand Grandstand will come alive Oct. 21 with the music of hard rock favorite Dillon Fence. It'll be the setting for a jazz concert Oct. 22 featuring saxophonist Richard Elliot, a former member of the group Tower of Power. Both concerts are set for 8 p.m.

The Department of Agriculture will mount its "Harvest Festival on Main Street," using the street scene that made its debut in 1991. The exhibit at the Kerr Scott Building will depict a rural Tar Heel community's downtown at harvest season, with a plentiful supply of North Carolina agricultural products.

REPLICA OF 18TH CENTURY GRIST MILL WILL GRIND MEAL FOR SALE

The ancient process of grist milling will be the centerpiece of an exhibit near the lake.

Fairgoers may see cornmeal made at a grist mill located near the fairgrounds lake. (NCDA photo)

Ray Wheeler of Atkinson's Milling Company near Selma will begin making cornmeal at the site two weeks before the fair opens.

Wheeler, whose real-life milling business has been operating for 234 years, was one of several members of the North Carolina Millers Association who began building the mill from the ground up in 1988. A replica of an 18th century device, the mill was first shown at the fair last year.

The grinding equipment inside is authentic and was rebuilt for the exhibit.

The millstones measure 10 inches thick and 36 inches in diameter. They will grind corn into meal suitable for cornbread, hush puppies, muffins and more. The stone-ground meal will be available for sale.

FAIRGROUNDS GET FACELIFT DURING OFF-SEASON

The fair is the biggest show of the year at the fairgrounds, but it is by no means the only event. The buildings house year-round activities as diverse as ice hockey, dog shows and a weekend flea market.

In preparation for the fair, the fairgrounds were given a facelift to make them more attractive.

The walls and columns of Dorton Arena's entrance have been newly painted. The parking areas beside the Youth Center and between the Education Building and Hillsborough Street have been paved.

New picnic tables have been placed under the trees near the Youth Center. Nearby, the Men's Garden Club has planted a cactus garden and butterfly garden.

The racetrack's infield has been reseeded. The Kelley Building, known for its lamb and pig shows, has been revamped.

In addition, the Red Cross building's sound system was improved so that announcements can be heard outside the building.

Gate receipts from the fair are used to cover the cost of fairgrounds maintenance.

HARVEST FESTIVAL ON MAIN STREET IN SCOTT BUILDING

The "Harvest Festival on Main Street" will be a new version of the most popular attraction at the 1991 fair—the "Main Street, North Carolina" exhibit.

The country store at "Harvest Festival on Main Street" will sell goods made in North Carolina. (NCDA photo)

The exhibit in the Scott Building will return in a slightly different configuration, recalling the time when small towns across the state celebrated the harvest of the crops.

During the first half of the 20th century, the season was an occasion for celebration because it meant the farmers had sold their crops and had money to spend on staples, foodstuffs, clothes and perhaps even a few frivolous items.

The 1992 version of Main Street will include a display by Carolina Electric Cooperatives and these new features: a model railroad shop, a movie theater and a registration area for the new Goodness Grows Kid's Club.

The fair will offer Tar Heel children their first opportunity to join the club. They will receive a membership package and qualify for daily prize drawings. They can also sign up to seek out more prizes on a treasure hunt at the fair.

Daily entertainment at the "Goodness Grows" Main Street exhibit will feature barbershop quartets, gospel singers, cloggers and other performers.

PEPSI DAY IS OCT. 21

The fifth annual State Fair Pepsi Day is set for Wednesday, Oct. 21. Fairgoers can enter the fair's gates without charge if they turn in 10 empty Pepsi product cans for recycling.

Stock car racing legend Richard Petty is expected to attend. Pepsi bottlers plan to sponsor a contest offering winners a chance to have dinner with Petty.

Recycling will also be emphasized throughout the 10-day event. Hundreds of special barrels will dot the fairgrounds, providing fairgoers with convenient receptacles for recycling aluminum cans.

DORTON ARENA CONCERTS FEATURE TOP ENTERTAINERS

Elsewhere on the fairgrounds, Dorton Arena will present a concert each night. The entertainers include seasoned veterans as well as some of the hottest new country music stars.

Trisha Yearwood, who has had hit after hit following her tremendous success with "She's In Love With The Boy" last year, will perform Oct. 22.

Aaron Tippin, whose hits include "There Ain't Nothin' Wrong With Her Radio," is scheduled for Oct. 19.

Marty Stuart will sing his latest hit, "This One's Going To Hurt You," which was recorded as a duet with Travis Tritt. Stuart takes the stage Oct. 16 to open the Dorton Arena concert schedule. And Doug Stone's show Oct. 23 will feature his tune, "Warning Labels." Highway 101's Oct. 21 show will include the 1991 hit, "Bing, Bang, Boom."

Veteran singers on the schedule include Tanya Tucker, Oct. 25; Tammy Wynette, Oct. 20; Charley Pride, Oct. 24; Emmylou Harris and the Nash Ramblers, Oct. 18; and Martha Reeves and the Vandellas, Oct. 17.

Arena doors open at 6 p.m. prior to each concert. The shows begin at 7 p.m.

Other attractions of interest will include the Department of Marine Fisheries' usual aquarium exhibit that allows touching of freshwater and saltwater animals. This exhibit will be set up in Dorton Arena.

In addition, the election year fair is also expected to attract politicians of all stripes, who'll set up shop in the Commercial and Education Building.

SENIORS' DAY IS OCT. 20

Senior Citizens' Day at the State Fair, Tuesday, Oct. 20, will begin with a special show in Dorton Arena at 10 a.m. This year's feature will be the Carolina Country Boys of Haywood County and winners of the Spivey's Corner Hollerin' Contest. A performance by the State Fair Cloggers will close the Fun Festival.

Three hat contests are also planned, each offering a prize of $25. The categories are the Most Comical Hat, the Best Agricultural Hat and the Most Stylish Fashion Hat.

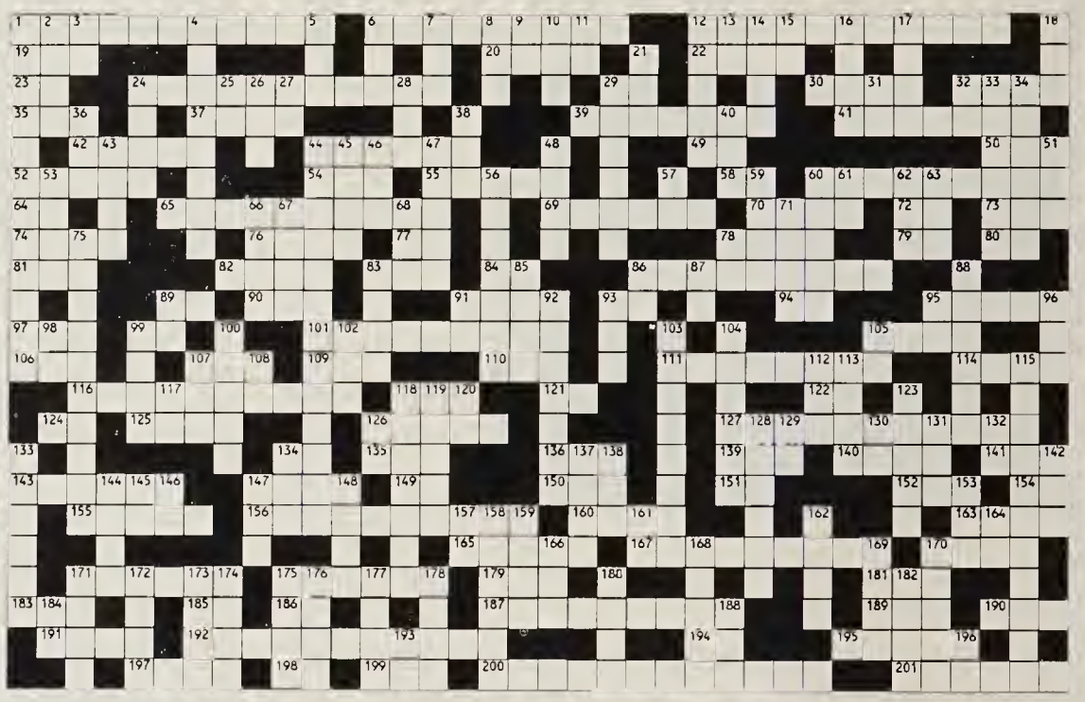
To enter, write to Senior Citizens' Day, N.C. State Fair, 1025 Blue Ridge Blvd., Raleigh, N.C. 27607. Deadline for entering is Oct. 1.

Rural Electric News Service

CROSSWIRES

By Judith M. Smith

Solution on page 25



ACROSS

1. Make changes
6. Addition
12. A view
19. Guided
20. Periods of time
22. 8ehind
23. Symbol for tellurium
24. Range of wave lengths in the visible and non-visible spectrum
29. Abbr.: on or about
30. Tablet
32. Latin: deep
35. Environmental Protection Agency
37. These are worn on the head
39. Pressing importance
41. Go into again
42. National Rural Electric Cooperative Association
44. Steep
49. To leave
50. Clear alcohol
52. Protuberances
54. Paddles
55. Eagle's nest
58. Abbr.: no funds
60. State of being precise
64. Alaska
65. Control of public policy
69. To agree
70. Part in a play
72. Goes with either
73. Lyrical poem
74. Journey
76. Unmarried woman
77. Prefix meaning primitive
78. ___ Lisa
79. Pennsylvania
80. Nebraska
81. Scottish "John"
82. Underground missle shelter
83. Spanish: "___ favor"
84. Abbr.: Labrador
86. Double entendre
89. Virginia
90. ___ Aviv
91. French word for state
93. Abbr.: touchdown
94. Symbol for tin
95. Tilting match
97. Abbr.: east north east
99. Abbr.: foot
101. Detailed list of stock
105. Abbr.: Oil Producing Exporting Countries
106. ___ Francisco
107. Drug used in AIDS treament
109. Sandra ___
110. Abbr.: Republican National Party
111. Too much
114. Fatty tissue around kidneys of cattle; used to make tallow
116. Device that regulates temperature
118. Past tense: is
121. Not out
122. Symbol for tantalum
124. Hawaii
125. Seizure of property in payment for a debt
126. San Andreas _____
127. Legacy
134. Spanish "yes"
135. Abbr.: limited
136. Trouble, fuss
139. Abbr.: negative
140. A unit of weight
141. Part of a play
143. Vigor or power in action
147. Type of collar
149. Symbol for titanium
150. Latin: light
151. Abbr.: Greece
152. Legendary bird
154. Abbr.: Thursday
155. Flies high
156. _____ Gap
160. Price
163. Not there
165. 8uild
167. Sleeping quarters for many
170. City in Hawaii
171. Reset
175. Passage for escape
179. Constellation in southern hemisphere
181. Female sheep
183. Abbr.: read-only memory
185. Goes with either
186. Utah
187. To control or direct course
189. "My ___ Sal"
190. See with this
191. Opposite of shut
192. Unpleasant
194. Abbr.: district attorney
195. Flexible
197. Cheese
198. Abbr. for share
199. Flightless bird
200. On-ground terminal
201. Desserts made with many eggs and little flour

DOWN

1. Other means
2. Not shallow
3. Abbr.: Juris Doctoris
4. Liquid used as antifreeze or fuel
5. ___ Lanka
6. Section of a building
7. Trinitrotoluene
8. Actor 8eatty
9. _____ what?
10. Not outs
11. Abbr.: old style
12. Sharply pointed projection
13. Abbr.: electrical engineer
14. Ribald
15. Abbr.: senior
16. Middle eastern prince or chief
17. Prefix meaning distance
18. Coffee, ___ or me?
21. Sack
24. Utilizes
25. Sun god
26. Consumed
27. Abbr.: veterinary surgeon
28. Ovum
29. The east
31. French article
32. Prefix: location
33. American ___
34. Highly evacuated electron tube
36. Conjunction
38. Sailor's "yes"
40. Opposite of pro
43. Harvest
44. Merger
45. Male sheep
46. Metric unit of area equal to 100 square meters
47. Short for alligator
48. School: Virginia ____
51. Abbr.: north north east
53. Fuzzy vegetable
56. Deals in real estate
57. Symbol for the copper
59. Amphibian
60. Not fancy
61. Symbol for rhenium
62. Policeman
63. Abbr.: Irish Republican Army
66. Give off
67. Irritate
68. Prefix for new
71. 8urden
75. Motivation
78. Michigan
83. To make progress for development
85. Where farm animals are kept
86. Short for advertisement
87. Abbr.: baron
88. Alarm sounded on a bell
89. Vermont
91. Latin: and
92. Emblematic
93. Spanish uncle
95. French pronoun
96. Kid
98. North America
99. Gas is one
100. These layers protect the earth
102. Fishermen use this
103. Pesky insects
104. ____ Sea
105. Ohio
107. Abbr.: African Methodist Episcopal
108. Physics term: abbr.: tensile strength
112. Indian tribe
113. Flat, rectangular piece of paper
115. To decompose electrolysis
117. Rhode Island
118. Power expressed watts
119. Review of record
120. Abbr.: Sierra Le
123. Gaze
126. Florida
128. Sea nymph (mythology)
129. Abbr.: height
130. Abbr.: Irish
131. Latin: I love
132. California
133. Space _____
134. Abbr.:saint (fem
137. Tube through which liquids flo
138. Prefix meaning oxygen
142. Article
144. Crucifix
145. Georgia
146. Abbr.: year
147. Self love
148. Birds build this
153. Greek letter
157. Latin: that is
158. Shrine
159. Fiddled while Ro burned
161. South Dakota
162. Work
164. Nickname for elevated train
166. Tin ___
168. Valerie Harper sitcom
169. Thief
170. Greeting
171. Short for amper
172. Summer month
173. Soft drink
174. Fit
175. Not ins
176. Where Provo is located
177. Musical instrum
178. Soybean curd
180. Shove
182. Pause
184. Prefix meaning e
188. Rodent
193. Printing: unit of measure
196. Abbr.: emergenc room

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Rural life appeals to most Americans

Life in rural America would appeal to most Americans, who view the country as a place where people are warm and friendly and where family values and community spirit are important.

While one in three Americans would like to live in a rural area, they believe that rural folks have fewer opportunities than those who live in the city.

These are some of the findings of a poll conducted by the Roper Organization for the National Rural Electric Cooperative Association (NRECA).

"Americans feel a great affinity for rural America, and especially admire the qualities of the people living there," says a summary of the report.

"The public does recognize, however, that life is not idyllic in rural America."

Thirty-three percent of those responding to the springtime poll said they would like to live in a small town or rural area. By comparison, 21 percent said they would prefer to live in a mid-size city and 21 percent in suburbs.

Yet 63 percent said ruralites aren't as likely as city people to realize the American dream.

NRECA commissioned the poll to help guide rural electric cooperatives in their efforts to strengthen their communities.

"Electric cooperatives, besides providing at-cost electricity, have always been in the business of building communities," said Bob Bergland, executive vice president of NRECA, the Washington-based organization that represents the nation's 1,000 consumer-owned rural electric cooperatives. "We continue to want the children of families who grew up with us to have a future close to home."

People who responded to the Roper survey agreed that American values are alive and well in rural areas, which they view as clean and wholesome and less stressful than cities.

"Rural America is where the public feels people possess many admirable characteristics, such as a strong sense of family, commitment to community, responsibility as citizens, strong religious beliefs and resourcefulness," according to the survey summary. "By consensus, rural Americans are more likely to be warm and friendly, honest in their business dealings, to be concerned about the problems and needs of others, to get real fun out of life, to be in good health, and to have a close-knit family."

But people also see some problems with the country lifestyle. Survey respondents are concerned that services such as health care, police protection and public transportation are scarce in rural America.

Rural Americans themselves, however, are happy to live where they do.

"No other Americans are as satisfied and enthusiastic about their community as are rural Americans," the survey report said.

The South has 48 percent of its population as rural residents, the most of any region in the country.

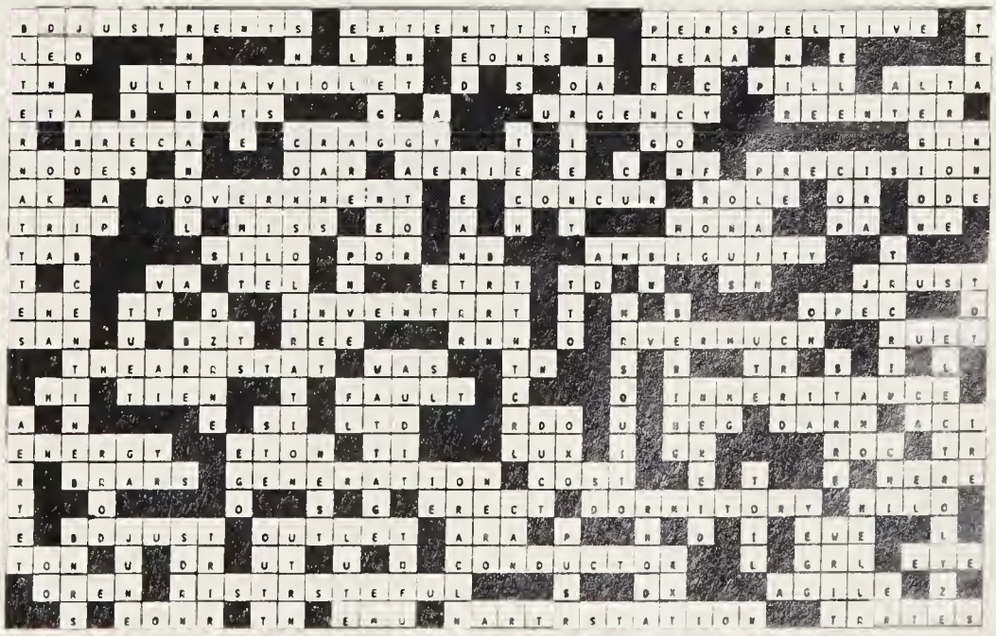
Rural Americans also have a higher level of voter registration (81 percent vs. 71 percent) and a lower median income ($25,200 vs. $31,200) than their urbanized counterparts.

Rural residents are more likely to be conservative politically, married, and older than city residents.

—Rural Electric News Service

Solution to CROSSWIRES *on page 24.*

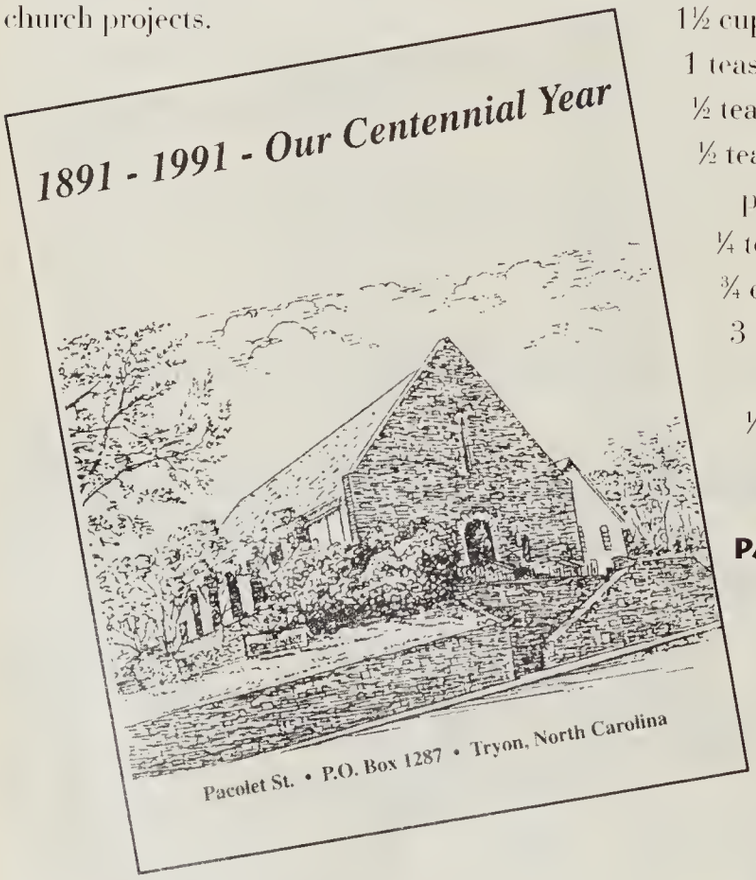
Solution to CROSSWIRES *on page 24.*



Tryon First Baptist Church cookbook boasts 200 recipes

Members of Tryon First Baptist Church in Polk County have compiled a cookbook that includes about 200 of their favorite "tried and tested recipes," according to Alda Carruth of Columbus, a consumer-member of Rutherford Electric Membership Corporation, Forest City.

She said the book was published to celebrate the church's centennial year in 1991. Proceeds from the sale of the 82-page book will support various church projects.



Three popular recipes from the book are featured here.

To order a copy of the cookbook, send $4 plus $1.50 for postage and handling to Alda Carruth, 500 Persimmon Hill, Columbus, N.C. 28722. Make checks payable to Tryon First Baptist Church.

SPICEY MEAT PIE

FILLING:

2 pounds ground beef (round or chuck)
¾ cup chopped onion
2 cloves garlic, minced
1½ cups bouillon
1 teaspoon ground sage
½ teaspoon ground mace
½ teaspoon ground pepper
¼ teaspoon round cloves
¾ cup chopped celery
3 tablespoons cornstarch
¼ cup water

PASTRY RECIPE:

(Combine all pastry ingredients. Roll out into two portions.)
2 cups flour (plain all-purpose)
1 teaspoon salt
½ cup mayonnaise
8 tablespoons water

Saute meat, onion and garlic. Stir in next six ingredients. Mix cornstarch and water, stir in mixture. Simmer 10 minutes. Pour in pie shell—cover with top pastry. Bake in a 425-degree oven for 30 minutes.

BLUE CHEESE DRESSING

2½ cups oil
½ cup mayonnaise
1 cup flat anchovies with juice
1 tablespoon garlic powder
1 tablespoon Dijon mustard
½ cup vinegar
¾ to 1 cup blue cheese, crumbled
½ teaspoon salt
½ teaspoon black pepper

Blend all ingredients two minutes on medium speed. Refrigerate until ready to serve.

LEMON-CHEESE SALAD

1 (3-ounce) package lemon Jello
¾ cup boiling water
½ cup shredded coconut
1 small can crushed pineapple, drained
½ cup cottage cheese
½ cup chopped celery
1 cup whipped cream

Dissolve Jello in boiling water and cool. Add all other ingredients and stir well. Pour into a container and let stand until firm.

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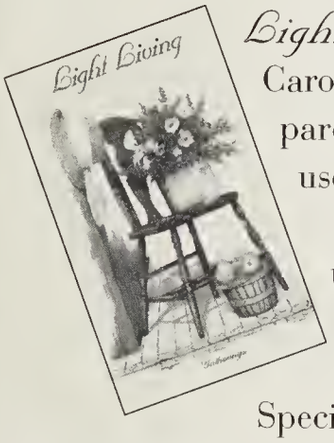
A Taste of Light Living



Here's a sample of the tasty, health-conscious creation you'll find in *Light Living*, the new cookbook published by the Women's Committee of North Carolina rural electric cooperatives. The recipe is easy to do and may be prepared ahead of time. Cook it on the grill for a delightful summer cookout and use fresh vegetables from your garden. It can also be broiled.

The 192-page volume includes more than 300 recipes, many of them contributed by members of local co-op women's committees across the state. Each recipe includes nutritional information added by Healthworks, a division of Wake Medical Center in Raleigh.

Special sections also offer advice about reducing your diet's fat content and about exercises to help you control your weight.

The book's attractive laminated cover features a colored-pencil drawing titled "Gatherings." The painting, by Haywood County artist Teresa Pennington, appeared on the cover of *Carolina Country* in September 1988.

Proceeds from the sale of the spiral-bound cookbook will support three college scholarships that are awarded annually.

To order, complete the coupon below and enclose check or money order for $12.95 per copy, including postage and handling. Mail orders to: Women's Committee Cookbook, P.O. Box 27306, Raleigh, N.C. 27611.

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Number of Cookbooks _____

Total Amount Enclosed _____

Make checks payable to Women's Committee Cookbook

Mail To: Women's Committee Cookbook
P.O. Box 27306
Raleigh, N.C. 27611

Shish Kebobs

½ C. unsweetened apple juice
½ C. vinegar
3 Tbsp. Worcestershire sauce
1 tsp. oregano
½ tsp. thyme
Small whole cooked onions
Green pepper squares
3 Tbsp. oil
3 Tbsp. minced onion flakes
1 tsp. salt
½ tsp. pepper
2 lbs. cubed lean lamb or beef
Fresh whole mushrooms

In a large bowl, combine apple juice, oil, vinegar, onion flakes, Worcestershire sauce, salt, oregano, pepper and thyme. Add meat, marinate, covered, for several hours, preferably overnight. Thread meat on skewers with onions, mushrooms and green pepper squares. **To grill:** grill kebobs about 5" from hot coals. Turn often until meat is done.

To broil: broil kebobs for 10 minutes about 5" from heat, turning once. Makes 6 to 8 servings.

Per recipe: 274 calories; 47% fat; 14 g fat; 399 mg sodium

FEATURE

ACCELERATES NATURAL DECOMPOSITION

Backyard composting converts waste into soil

Backyard composting is more than heaping leaves in the corner of the yard.

"Just piling leaves and forgetting about them will create an anaerobic condition—there will be no oxygen," said M.A. "Kim" Powell, extension horticulturist at North Carolina State University.

In fact, adding leaves to soil may hinder plants because the organic material is not stable. "It will pull the nitrogen from the soil to complete the process," Powell said.

But a successful backyard compost pile is easy to achieve. Backyard composting is the subject of a major education program by the North Carolina Cooperative Extension Service this year as communities across the state establish plans to meet legislative guidelines to reduce organic waste in landfills.

"The good news is that compost can improve just about any soil in North Carolina," Powell said. "You can incorporate it into the soil, or place it on top as a mulch."

Fourteen counties—Catawba, Craven, Cumberland, Forsyth, Guilford, Henderson, Macon, Martin, Mecklenburg, New Hanover, Orange, Pasquotank, Wake and Wilson—have pilot backyard composting demonstrations. Extension agents in other counties have information on composting as well.

M.A. "Kim" Powell demonstrates a composting bin at the NCSU arboretum.

"It is a great teaching tool," said David Nash, extension agricultural agent in Orange County.

Composting is simply an acceleration of the natural decomposition process.

"It won't smell if you keep it turned," Powell said. "It cooks down to where it smells like dirt. That's what we are doing, converting organic waste into soil."

Yard wastes that can go into a compost pile rather than landfills include: dried leaves, straw, grass, weeds and branches.

Kitchen scraps also can go into a compost pile, but not meat, bones, dairy products, whole eggs or fatty foods; they will attract animals or maggots. Manure can be added, but not kitty litter or dog feces.

The keys to successful composting are heat, oxygen and water. Heat is the biggest factor in decomposition. The center of a compost pile should be hot—about 160 degrees F.

Oxygen, needed for complete decomposition, is added by turning the pile when it begins to cool down, about every four to five days at first, then every week to 10 days.

Begin a compost pile with a layer of branches or corn stalks; this will allow air circulation. Soil and composting material—the leaves and grass clippings—are then added in alternating layers. The soil contains the necessary microorganisms to decompose the composting material.

Water each layer until it has the consistency of a wrung sponge. The bigger the pile, the faster the decomposition.

"The minimum size should be 4 feet by 4 feet by 4 feet," Powell said.

Home gardeners can build their own composting bin, or purchase a tumbler at a garden center. The designs vary.

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FOCUS

AGENCY COLLECTS CHILD SUPPORT ... CO-OP COMMUNICATORS HONORED ... NEW REA CHIEF SWORN IN ... ARE RURAL ROADS SAFE?

NEW SERVICE AIMS TO COLLECT DELINQUENT CHILD SUPPORT

Child Support Collectors, in connection with Child Support Services and Credit Service of Norfolk, Va., has been established as the first private agency in North Carolina dedicated solely to the collection of delinquent child support.

In 1989, North Carolina reported more than $65 million in outstanding child support, which is a small portion of the $18.9 billion that went uncollected across the United States in 1989.

Until now, the custodial parent had only two choices in obtaining assistance with collection of payments: state agencies or private lawyers. State agencies are backlogged with cases and do not use collection agency tactics. Lawyers require large fees in advance with no guarantee of ever collecting.

Child Support Collectors, based in Raleigh, employs both traditional collection techniques and state-of-the-art computer technology. Proven collection tactics are used to locate and motivate the absent parent to fulfill his or her obligations to pay court-ordered child support.

Cost to the custodial parent is a $40 non-refundable application fee. Child Support Collectors retains 30 percent of the money collected.

Robert Bander, president of Child Support Collectors, said, "If the agency is unable to collect any monies from the absent parent, the custodial parent does not pay anything."

"Some people might object to our collecting a fee for delinquent child support," said Julie Coffey, vice president and director of client services. "But we are helping parents to recover desperately needed monies which, through conventional methods, they might otherwise never receive."

Custodial parents who are not currently receiving Aid For Families With Dependent Children (AFDC) and have child support payments which are delinquent at least 30 days may call for a free consultation.

For more information about the service, contact Child Support Collectors, Inc., P.O. Box 30099, Raleigh, N.C. 27622. Phone: (800) 758-KIDS

VOLUME I OF GOV. MARTIN'S PAPERS NOW AVAILABLE

Volume I of the public papers of Gov. James G. Martin is now available to the public without charge.

In recent ceremonies at the Executive Mansion, Cultural Resources Secretary Patric Dorsey presented the first copy of Volume I to Governor Martin.

When he was inaugurated on Jan. 5, 1985, James Grubbs Martin became the second Republican to serve as governor of North Carolina during the 20th century.

"Addresses and Public Papers of James Grubbs Martin, Governor of North Carolina, 1985-1989," edited by Jan-Michael Poff, documents the first term of the state's 65th chief executive.

Included are copies of the governor's inaugural address, messages to the General Assembly, and more than 230 speeches and press releases. The material was carefully selected from more than 960 available items.

These papers explain the governor's policies and programs, discuss the issues confronting the state,

disclose the challenges of office, give voice to his opinions and contain autobiographical elements.

Every governor of North Carolina since Locke Craig (1913-1917) has had a selection of his public papers and addresses edited and published.

Jan-Michael Poff is editor of modern governors' documentaries at the Historical Publications Section, Division of Archives and History, Department of Cultural Resources.

A limited supply of the 1,089-page, indexed Volume I of the Martin Papers is available to the public by mail for a postage fee of $3 per volume.

Address orders to: Historical Publications Section (N), 109 E. Jones St., Raleigh, N.C. 27601-2807.

Also available from the same address is Volume I of the Hunt Papers, which covers the years 1977-1981 of Gov. James B. Hunt Jr.

When ordering, include a postage fee of $3 for each volume.

The Historical Publications Section is an agency of the Department of Cultural Resources.

SPECIAL FUELS REQUIRED IN SOME AREAS TO IMPROVE AIR QUALITY

Only oxygenated fuels, such as ether and ethanol blends, will be offered this winter to motorists in the Raleigh, Durham, Greensboro and Winston-Salem areas. Diesel-powered vehicles are exempt.

The North Carolina Gasoline and Oil Inspection Board approved the regulations in June to satisfy a federal mandate to lower unacceptable carbon monoxide (CO) levels. Gasoline retailers and wholesalers must provide oxygenated fuel from Nov. 1 to Feb. 28, 1993.

State Agriculture Commissioner Jim Graham, who chairs the board, said the targeted areas are Durham, Franklin, Orange, Wake, Davie, Davidson, Forsyth, Guilford, Randolph, Stokes and Yadkin counties.

The U.S. Environmental Protection Agency is requiring states with unacceptable CO levels to adopt regulations. North Carolina and Tennessee are the only southeastern states that had areas which failed to meet standards required by 1990 Clean Air Act amendments.

The N.C. Department of Agriculture's Standards Division, which will oversee the program, proposed the regulations.

The division inspects fuel pumps and tests petroleum products for properties such as octane levels and lead content.

Following public comment, the board postponed action on a provision not to differentiate between alcohol and ether blended fuels on gasoline pumps. The provision stipulates that labels be affixed to pumps stating, "The gasoline dispensed from this pump is oxygenated and will reduce carbon monoxide emissions from motor vehicles."

A public hearing will be scheduled on the matter.

Motor vehicle exhaust accounts for two-thirds of carbon monoxide, according to the EPA. Oxygenates reduce CO emissions by 10 to 30 percent. Ethanol and methyl tertiary butyl ether (MTBE) are two of the most common.

For more information, contact David S. McLeod, director of NCDA's legal staff, at (919) 733-7125, or N. David Smith Jr., director of the Standards Division, at (919) 733-3133.

RURAL ROADS ARE MORE DANGEROUS THAN URBAN, SAFETY EXPERTS CLAIM

Rural roads are more dangerous than urban highways, say highway safety experts.

Charles Zegeer, associate director of roadway studies at the University of North Carolina's Highway Safety Research Center in Chapel Hill, conducted a study showing that urban roads had almost twice as many accidents per mile compared to rural roads, but the rural roads had twice the number of deaths.

His study examined 5,000 miles of rural and urban two-lane roads.

Urban accidents tend to be minor fender benders and sideswipes, adds Mark Virkler, an associate professor of civil engineering at the University of Missouri. Rural accidents, he says, are more likely to be fatal because they often involve high-speed, head-on crashes, or hitting poles or trees.

"A lot of rural highways were intended to be farm-to-market roads," Virkler says. "It was a tremendous accomplishment to get them paved," and road builders didn't think about other safety issues.

Virkler is head of a Missouri-sponsored project to improve safety and reduce the number of accidents on rural roads in the state. Researchers will look at 22,000 miles of rural roads to figure out which improvements—for example, lane widening or removing obstacles—would work best at trouble spots.

JAMES HUFF TAKES REINS AS REA ADMINISTRATOR

James Huff, who had been head of Mississippi's Farmers Home Administration since November 1989, is the new chief executive of the Rural Electrification Administration (REA). Huff, a cattle rancher and tree farmer, was sworn in June 30 as the agency's 12th administrator.

James Huff

Among the top candidates for the appointment was R.B. Sloan Jr., executive vice president of Crescent Electric Membership Corporation, Statesville. A veteran co-op employee, he also serves as chairman of the North Carolina Rural Electrification Authority and of the Rural Electric Action Program, the political action committee for the state's electric cooperatives.

REA is the U.S. Department of Agriculture agency that lends money to the nation's 1,000 electric cooperatives and to rural telephone systems.

The agency has been without a permanent administrator since early this year when Gary Byrne, a former California banker, left the helm to accept a seat on the Farm Credit Administration Board.

During a pre-confirmation interview with members of the Senate Agriculture Committee, Huff assured REA supporters that he believed the agency is vital to the well-being of rural electric cooperatives.

A previous administrator, Harold Hunter, had sought to close his own agency, saying it was not needed.

Huff, who worked for more than 30 years with a Laurel, Miss., building products company, supervised a $2.2 billion farm and rural housing loan program at the Farmers Home Administration.

"His farming, ranching, manufacturing and government experience make him the perfect choice to lead the REA," President George Bush said during a March campaign appearance in Jackson, Miss.

In Washington, Huff enjoyed bipartisan support within the state's congressional delegation.

Sen. Thad Cochran, the ranking Republican on the Agriculture Committee's rural electrification panel, pointed to Huff's "outstanding history" in manufacturing, farming and running a government agency.

"He is obviously well qualified to do an outstanding job as the new administrator," said Sen. Trent Lott, also a Republican, who seconded the endorsement.

ENGINEER NAMED DIRECTOR OF ELECTROTECHNOLOGY LAB

Carlton "Carl" Castellow has been named director of the Industrial Electrotechnology Laboratory (IEL). Castellow, formerly a manager of energy engineering for Carolina Power and Light, began work in July.

IEL is a joint venture of the College of Textiles at N.C. State University and the N.C. Alternative Energy Corp. (AEC). The lab is located in the College of Textiles on the Centennial Campus in Raleigh. It uses lighting, drying motors and other electricity-based technologies to improve industry competitiveness through testing, documentation, education and research. IEL's services are free to industrial customers of the major electric utilities in North Carolina, South Carolina and Virginia.

Carllton "Carl" Castellow

"The utility industry is interested in the success of its industrial customers," Castellow said. "IEL will play an important role in that success by providing access to research facilities and new technologies at a time when most organizations are cutting their research budgets."

Castellow, who had been with CP&L since 1983, served as a system energy applications engineer, and later as the manager of energy engineering.

LOANS AVAILABLE FOR AREAS HIT BY APRIL 20-21 STORM

A natural disaster has been declared in Avery, Davie, Mitchell, Surry and Yadkin counties because of damages and losses from April 20-21 rains, according to the North Carolina Department of Agriculture.

The United States Department of Agriculture's Farmers Home Administration also named Alleghany, Burke, Caldwell, Davidson, Forsyth, Iredell, McDowell, Rowan, Stokes, Watauga, Wilkes and Yancey counties as contiguous.

The state agriculture department said the FmHA is offering farmers in those counties low-interest emergency loans for severe physical losses. Applications, which can be made at county FmHA offices, must be submitted by Feb. 3, 1993.

ALTERNATIVE ENERGY CORP. PRESENTS EFFICIENCY AWARDS

North Carolina Alternative Energy Corporation (AEC) has presented its 1992 energy efficiency awards to the N.C. Cooperative Extension Service and an employee of North Carolina Power.

The Extension Service received AEC's Partnership Award, which honors an organization for its contributions to energy efficiency. The service is AEC's partner in Project Connect, a regional energy education effort underway in five western counties.

The 1992 Partner of the Year is Randy Shillingburg, director of media/community relations for North Carolina Power. The award, which recognizes outstanding efforts of an individual in working with AEC to promote energy efficiency, was given for his role in a classroom teacher grant program AEC initiated in 1991.

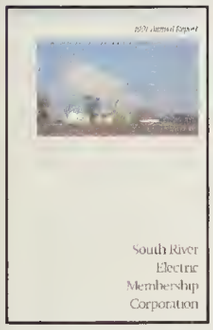
Grants totalling $5,000 were awarded to Halifax County and Northampton County K-12 teachers for developing and presenting energy activities for their classes. Shillingburg, a resident of Roanoke Rapids, was instrumental in coordinating 16 separate grants, which will be described in a booklet for distribution to other teachers in the area.

Project Connect involves energy education activities in Buncombe, Haywood, Henderson, Madison and Transylvania counties. Based at Extension's western office in Fletcher, the two-year project demonstrates connections between energy efficiency and other community issues such as economic development and affordable housing. Extension agents throughout the region work with AEC energy experts to involve consumers, businesses, government and schools.

AEC is an independent nonprofit organization established in 1980 by the North Carolina Utilities Commission in cooperation with the state's major electric utilities to help keep down the cost of electricity by promoting energy efficiency.

NORTH CAROLINA CO-OP COMMUNICATORS WIN NATIONAL AWARDS

The Blue Ridge EMC newsletter included an award winning photo essay by Joe Ward.



The South River EMC 1991 annual report, coordinated by Jeff Lowe.

Three Electric Membership Corporations (EMCs) and the Corporate Communications Department of Carolina Electric Cooperatives produced winners in a 1992 awards program sponsored by the national Council of Rural Electric Communicators.

Communicators from throughout the United States submitted about 475 entries in the fourth annual program. The council sponsors the competition to showcase exemplary communication products by electric cooperatives and related organizations.

North Carolina winners were:

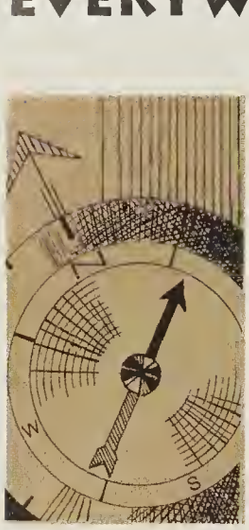
- Joe Ward and Maggie Tilley of Blue Ridge EMC, Lenoir: Award of Excellence for Best Photo Essay, "Between a Rock and a Hard Place."
- Luanne Sherron and Hal Setser of Union EMC, Monroe: Award of Excellence for Best Audio/Visual Communications (Slide/Multi-Image), "The People Behind the Power."
- Jeffrey Lowe of South River EMC, Dunn: Award of Excellence for Best Annual Report to Members, "1991 Annual Report."
- Corporate Communications Department of Carolina Electric Cooperatives, Award of Merit for Best Annual Report to Members, the 1991 annual report, "Service Beyond Power."

Carolina Electric Cooperatives' 1991 annual report.

Entries were judged in four classes based on number of electric meters served, as well as in two classes for large and small generation and transmission organizations, and in one class for statewide associations. The Award of Excellence designates a first place winner, the Award of Merit a second place winner.

The Council of Rural Electric Communicators, representing nearly 1,600 communicators nationwide, presented the awards at the 1992 National Rural Electric Cooperative Association's Marketing/Member Services and Communications Conference in Atlanta in July.

HERE, THERE AND EVERYWHERE



CAST FOR KING ...
SHOP FOR DOLLS ...
SHOOT THE BULL.

BLUE RIDGE FAIR HELPS LOW-INCOME ARTISANS

The Blue Ridge Hearthside Crafts Association's Annual Craft Fair will be held Oct. 9-11 from 10 a.m. to 6 p.m. in the fair pavilion at the craft center.

The fair features the work of southern Appalachian artisans and includes such items as pottery, quilts, dulcimers, furniture, dolls, toys, jewelry and more.

Craft fairs are held five times annually—in May, June, July, August, and October.

The association is a non-profit, member-owned craft cooperative that was formed in 1968 to aid low-income mountain craftspeople.

The fair pavilion is located on Hwy. 105, eight miles south of Boone.

For more information, contact Blue Ridge Hearthside Crafts, Route 1, Box 738, Banner Elk, N.C. 28604. Phone: (704) 295-9454.

COSTUMES ARE NEEDED ON THIS TOUR OF HISTORIC HOMES

New Bern's Historical Society Foundation has devised a costume parade for touring historic homes at their most frightening moment: Halloween.

On Oct. 24 from 4 to 10 p.m., costumed participants will tour five historic houses and the Cedar Grove Cemetery, where they may read headstones of famous New Bern characters.

Guides will lead the way and relate some of the more chilling tales of the town's history.

Tickets are $10 from the New Bern Historical Society, P.O. Box 119, New Bern, N.C. 28563. Phone: (919) 638-8558.

ALBEMARLE CRAFTS FAIR SCHEDULED IN ELIZABETH CITY

Elizabeth City's Albemarle Craftsman's Fair will take place for the 34th straight year Oct. 23-25.

The renowned craft work of the Albemarle region will be on display and for sale at the Knobbs Creek Recreation Center. Many of the artisans will be demonstrating their crafts on the site.

Crafts include woodcarvings, porcelain dolls, soft toys, leather goods, quilts, baskets, glass and more.

For information about the fair and its group rates, contact Albemarle Craftsman's Guild, P.O. Box 1301, Elizabeth City, N.C. 27906-1301.

MARION HOSTS 9TH ANNUAL MOUNTAIN GLORY FESTIVAL

The ninth annual Mountain Glory Festival is scheduled for Oct. 10 in Marion. This day-long festival celebrates the rich mountain heritage of western North Carolina.

Attractions include arts, crafts, a "foodfest" and tours of the autumn countryside. The festival will also feature speci children's events and entertainmer

For more infor mation, contact t McDowell Cham ber of Commerce 17 North Garden Street, Marion, N.C. 28752. Phone: (704) 652 4240.

SELMA SLATES RAILROAD DAYS FOR OCT. 1-4

This year, as the town of Selma marks its 125th anniversar a special celebration is planned as part of the town's

PRINTS OF SILK HOPE SCHOOL ARE FOR SALE

Limited edition prints of Silk Hope School in Chatham County, which was torn down recently to make way for a new school, are available for sale.

The prints, which are being sold by the Mount Vernon United Methodist Church to raise funds for its youth programs, were issued by Hilda Staley of High Point. Staley, who attended the Silk Hope School, produced the painting and the prints after learning that the 60-year-old building would be demolished.

The signed-and-numbered prints are $20 each.

For more information contact Linda Fields, c/o Siler City Church, Route 1, Siler City, N.C. 27344. Phone: (919) 742-4285.

To contact Mrs. Staley, write or call her at 1534 Ann Arbor Ct., High Point. N.C. 27265. Phone: (919) 885-5495.

6th annual Rail-oad Days festival heduled for Oct. -4.

Scheduled vents include a arade, a carnival, rts and crafts, oad races, beauty ageants and ore.

Featured enter-iners include nger Dale van lorne, the New intage Bluegrass and, the gospel oup Crossfire nd the beach mu-c band Mixed motion.

Selma is located Johnston County the intersection I-95 and U.S. ighway 70.

For more infor-ation, contact Joe arter, 100 North aiford Street, Sel-a, N.C. 27576. hone: (919) 965-3+1.

RASSTOWN OLK SCHOOL RESENTS ESTIVAL OCT. 2-4

In the southwest-ern mountains North Carolina, e community of asstown comes ive with music, ncing and games uring the John C. ampbell Folk hool Fall Festi-l scheduled for t. 2-4.

A special Friday ening concert will kick off the festival. Other featured attractions include clog dancing, folk games and craft demonstrations and sales featuring the work of artisans from various states. You also can learn how to run a sawmill, fire a potter kiln, play a "banjar," and harness a mule.

Special chidren's events include a petting zoo and crafts area where children of all ages can construct a scarecrow.

The Folk School, founded in 1925 in the tradition of Danish Folk Schools, began as a venture to physically and spiritually improve peoples' lives. The founders sought to teach not just "how to make a living," but the "art of living."

For more information, contact the John C. Campbell Folk School, Route 1, Box 14A, Brasstown, N.C. 28902. Phone: (704) 837-2775.

HIGHLANDS CRAFT FESTIVAL SCHEDULED FOR OCT. 3

Highlands Own Craft Festival, in its ninth year, will be held Oct. 3 at Recreation Park in the Woodruff Civic Center in Highlands. The town, located at an elevation higher than any other town in North Carolina, is in southeast Macon County.

The festival serves as a marketplace for handcrafted and homemade items of the mountain people.

The festival, scheduled from 9 a.m. to 5 p.m., is sponsored by the Highlands Woman's Club and the Highlands Recreation Department.

For more information, contact Betty Simmons, Route 2, Box 383A, Highlands, N.C. 28741. Phone: (704) 526-3556.

MUSEUM COLLECTION SHOWS CULTURE OF MOUNTAINS

Boone's Appalachian Cultural Museum marks its third year of operation this summer.

The museum is housed in a new building at Appalachian State University. Its collection focuses on the history of the mountain region and includes one of Junior Johnson's race cars, a tribute to Lulu Belle and Scott Wiseman, and artifacts from Beech Mountain's Land of Oz theme park.

Hours are Tuesday through Saturday from 10 a.m. to 5 p.m. and Sunday from 1 to 5 p.m.

For more information, contact the Appalachian Cultural Museum, Appalachian State University, Boone, N.C. 28608. Phone: (704) 262-3117.

CAST FOR KING MACKEREL AT SOUTHPORT TOURNAMENT

A first prize of $25,000 will go to the top angler at the 1992 U.S. Open King Mackerel Tournament to be held Oct. 1-4 in Southport.

The tournament, with a total cash purse of $100,000, has attracted as many as 500 boats in recent years. In 1991, a fisherman from Raleigh won first prize for his 42.05-pound king mackerel.

Interested anglers may get registration forms from the Southport-Oak Island Chamber of Commerce, or at the Southport Marina, the tournament headquarters, Oct. 1 from 10 a.m. to midnight.

Entry fee per boat is $240. For more information, contact the U.S. Open King Mackerel Tournament, Route 5, Box 52, Southport, N.C. 28461. Phone: (919) 457-5787.

CELEBRATING THE LIFE AND WORKS OF THOMAS WOLFE

The third annual Thomas Wolfe Festival in Asheville, scheduled for Oct. 1-4, celebrates the life and works of Wolfe.

The festival includes free guided tours of the Wolfe Memorial, exhibits of signed books, photographs, dramatizations of some of the writer's works, readings, workshops, slide shows and Wolfe texts that have been set to music.

Most of the events featured at the festival are free and open to the public.

For more information, contact the Thomas Wolfe Memorial, P.O. Box 7143, Asheville, N.C. 28802. Phone: (704) 253-8304.

continued on page 38

ENJOY OYSTERS AT SOUTH BRUNSWICK ISLANDS

The South Brunswick Islands area will host its 12th annual North Carolina Oyster Festival Oct. 16 and 17 at Sea Trail Plantation in Sunset Beach.

The festival combines seafood with arts, crafts and entertainment. The two-day event will feature over 130 displays of some of the arts and crafts of the Southeast, a bullshooting (tall tale) contest, and the North Carolina Oyster Shucking Championship.

A variety of live entertainment will be presented at the festival with the band, "The Fabulous Kays," to perform Friday and Saturday nights.

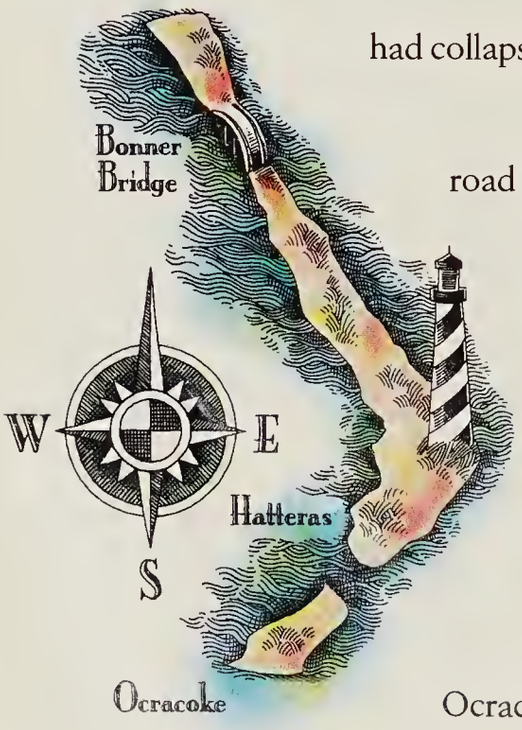
The Brunswick County Shrine Club will serve seafood and trimmings.

For more information contact the South Brunswick Islands Chamber of Commerce, P.O. Box 1380, Shallotte, N.C. 28459. Phone: (919) 754-6644.

Thanks to EMC, the peop
less fear of things th

It was Friday, October 26. But it seemed more like Friday the 13th. Just after midnight, a storm off the Atlantic whipped up nine-foot waves in the treacherous Oregon Inlet, slamming a dredge into the Bonner Bridge.

By daybreak, a 300-foot span of the bridge had collapsed, cutting off the only road to the mainland, and severing the cables that supplied electricity to Hatteras and Ocracoke. It could have been the islanders' worst nightmare come true. Instead, it became a proving ground for North Carolina



ound Ocracoke have a little bump in the night.

EMC's new Ocracoke Generating Station.

Although the facility was still being tested, it was quickly pressed into emergency service. With the help of Tideland EMC, the station began providing service to Ocracoke by 2 o'clock that Friday afternoon. And, later, to Hatteras Village.

We're delighted that we were able to supply electricity to the Outer Banks when they were cut off from the rest of the world. Actually, we're proud to work with them anytime. There's just something extra special about putting happily-ever-after endings on dark-and-stormy-night beginnings.

EMC

Electric Membership Corporations Provide A New Generation of Service To 1.5 Million Consumers In 95 North Carolina Counties.

HERE, THERE AND EVERYWHERE

continued from page 35

9TH ANNUAL DOLL SHOW AND SALE SLATED IN GREENVILLE

The ninth annual Doll Show and Sale will be held on Oct. 17 from 10 a.m. to 4 p.m. at the American Legion Building on St. Andrews Street in Greenville.

The show is sponsored by the Doll Lover's Club of Greenville. All money raised will go to local charities.

Admission is $2. Children under 12 are admitted free when accompanied by an adult.

For more information, contact Juanita Plueddemann, 204 Maraschino Drive, Greenville, N.C. 27858. Phone: (919) 756-6233.

NICOLETTE LARSON TO APPEAR IN DAVIE COUNTY

Davie County Arts Council will sponsor its annual Arts Alive Festival Sept. 19 from 9 a.m. to 7 p.m. at the Masonic Picnic Grounds in Mocksville.

In addition to art, crafts, food and children's entertainment, the event boasts featured performer Nicolette Larson.

For more information, contact Davie County Arts Council, P.O. Box 744, Mocksville, N.C. 27028. Phone: (704) 634-3112.

HIGHLAND GAMES SET FOR OCT. 2-4 IN RED SPRINGS

The 1992 Flora Macdonald Highland Games, set for Oct. 2-4 in Red Springs, will feature various competitions, arts and crafts, a Revolutionary War military encampment and a one-man show, RAB, The Rhymer, An Evening with Robert Burns.

The show, which features actor John Ferguson, is scheduled for 8 p.m. Oct. 2 at Fl ra Macdonald Academy.

The competitions open at 9:4 a.m. Oct. 3 and continues throug out the day.

Other special events will inclu

BRIGHT LEAF FOLK ARTS FESTIVAL

A $600 cash prize will go to the winner of the Carolina Country Championship Barbecue Cook-off at the Bright Leaf Folk Arts Festival in Wendell Sept. 30-Oct. 4.

Several areas will be set up for the event, including an antique farm implement area complete with demonstrations; a juried arts competition, a beer and wine garden with an adjoining food court; a stage featuring dancers, storytellers and musicians; and a sports arena featuring antique and vintage cars. In addition, about 100 arts and craft vendors will be on hand to display and sell their wares.

North Carolina Agriculture Commissioner Jim Graham will formally open the festival on Oct. 3.

For more information, contact the Wendell Chamber of Commerce, North Pine St., Wendell, N.C. 27941. Phone: (919) 365-6318.

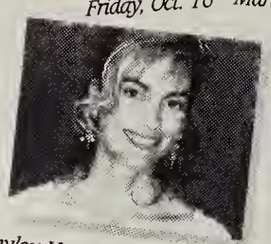
They're All Askin' 'bout You!

Opening Weekend Headliners

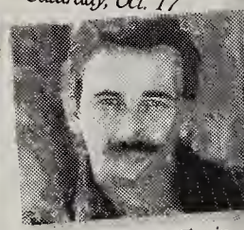
After you take in The Fun And The Farm Life during the day, watch the stars come out with free concerts in Dorton Arena every night at 7:00 p.m.! Don't miss your chance to see some of the country's hottest performers - all free with your Fair admission.* Come on down - they're all askin' 'bout you! For more information, call (919) 821-7400.

Marty Stuart
Friday, Oct. 16

Martha Reeves & The Vandellas
Saturday, Oct. 17

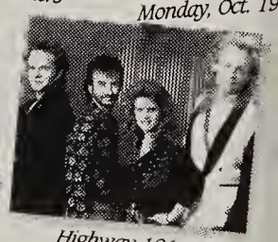


Emmylou Harris & The Nash Ramblers
Sunday, Oct. 18



Aaron Tippin
Monday, Oct. 19

Tammy Wynette
Tuesday, Oct. 20

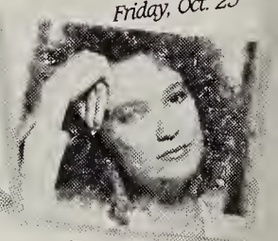


Highway 101
Wednesday, Oct. 21

Trisha Yearwood
Thursday, Oct. 22

Doug Stone
Friday, Oct. 23

Charley Pride
Saturday, Oct. 24



Tanya Tucker
Sunday, Oct. 25

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heep dog demonstrations, piping nd drumming, highland dancing nd a lancing ournament. Scotish recording star lex Beaton will erform Oct. 4 at p.m. A plantaion party is lanned for that fternoon at 5 'clock at the hisoric Mill Prong louse, which is eing restored. Reservations are equired for the arty's dinner.

Admission to he games is $5 for dults and $2 for ouths ages 6 to 8. Children under will be admitted ithout charge. Other events are riced separately.

For more infornation, write or all Flora Macdonld Highland ames, P.O. Box 47, Red Springs, .C. 28377. hone: (919) 843-000.

ERTIE COUNTY O HOST HICKEN ESTIVAL

Bertie County's third annual hicken festival, Chicken on the ashie—Bertie tyle, is scheduled r Sept. 23 from to 9 p.m. at the ashie Golf and ountry Club in Vindsor.

The price of an dmission entitles ou to all the Perue chicken you an eat as it is prepared by the Bertie County Volunteer Fire Department. The beach music group the Embers will perform at the festival.

Admission is $12.50 in advance or $15 at the gate. All proceeds will support the Windsor Area Chamber of Commerce and the Bertie County Volunteer Fire Department.

For more information, contact the Windsor Area Chamber of Commerce, P.O. Box 572, Windsor, N.C. 27983. Phone: (919) 794-4277.

SUSTAINABLE AGRICULTURE IS CONFERENCE TOPIC

The seventh annual Sustainable Agriculture Conference will be held Nov. 6-8 at Winthrop University in Rock Hill, S.C. The theme is "Carolina Agriculture: In Transition to Sustainability."

Program topics include fertility practices, swine management, community-supported agriculture, permanent pastures, beneficial insects, organic soybean production, orchard floor management, and food safety. Exhibitors are welcome.

For more information, contact Carolina Farm Stewardship Association, 115 W. Main St., Carrboro, N.C. 27510. Phone: (919) 968-1030.

LETTER WRITERS SOUGHT FOR "MAIL CALL" TO THE MILITARY

Military Mail Call, a non-profit organization working on its 1992 Christmas Mail Call, enlists civilians to send cards and letters to military personnel from "back home."

More than 1,000 units, bases and support locations around the world received letters through the program last Valentine's Day and Christmas.

The Edenton Street United Methodist Church in Raleigh was ranked as the number one church in North Carolina for its 1991 participation, and in the top 15 among churches nationwide.

Other North Carolinians among the top participants were: Disabled American Veterans Auxiliary #63, Ruffin; Pfeiffer College, Misenheimer; Bartlett Yancey Senior High School, Yanceyville; Butner-Stem Elementary School, Butner; Fuquay-Varina High School Beta Club, Fuquay; A.L. Stanback Middle School, Hillsborough; Hibriten High School, Lenoir; Darlene Legg of Chapel Hill, Robert B. Arnold of Fayetteville; and Denise Pottorf of Bahama.

For more information on Mail Call, send your name and address along with an unused first-class postage stamp to Mail Call, P.O. Box 608, Fort Knox, Ky. 40121-0608.

REGATTA WILL BRING BACK THE MOTH BOAT TO ELIZABETH CITY WATERFRONT

The Museum of the Albemarle in Elizabeth City will sponsor the fourth annual regatta featuring the classic Moth Boat Sept. 19.

Through this regatta, the museum celebrates the boating tradition of the Albemarle, and the Moth, which was designed in Elizabeth City. The event also serves as a fundraiser for the museum in its efforts to build a new facility near the town's waterfront.

Coordinating the races is the Pasquotank River Yacht Club, while various regional businesses are assisting with the financial sponsorships. The regatta, which will begin at 9 a.m., consists of several races. Registration will be $25 per boat.

The event culminates with a pig pickin' from 5 to 7:30 p.m., with an awards presentation at 6 p.m.

The Moth was developed in 1929, when Capt. Joel Van Sant stopped in Elizabeth City enroute to Florida, to overhaul his yacht, "Siesta." During his stay he joined forces with Ernest Sanders of the Elizabeth City Shipyard to design a small sailboat which could be easily raced on the inland rivers and lakes. This sporty little craft, called a Moth because of its ability to flit across the waves, caught the imagination of sailors and boat builders of Elizabeth City seeking an inexpensive vessel that a non-professional boat builder could build.

The Moth Boat achieved widespread notice during the 1930s, 1940s and 1950s, but passed into relative obscurity until recent years.

Interest in the Moth has been revived in Elizabeth City through the museum's efforts. Banners declaring "Elizabeth City: Home of the Moth Boat" can be seen flying on Main Street.

For additional information, contact the Moth Boat Regatta, Museum of the Albemarle, 1116 U.S. Hwy. 17 South, Elizabeth City, N.C. 27909-9806. Phone: (919) 335-1453.

HANK'S GARDENING GUIDE

BY HANK SMITH

TIME TO "KEEP ON KEEPING ON" IN PREPARING FOR FALL.

As nights become longer and cooler, many foliages are beginning to give hints of color changes that are ahead. It's a "keep on keeping on" time, doing what you have been doing: watering, grooming, controlling pests and diseases and feeding your garden.

Heading the list of things to get done is bulbs. Buy them now for a good selection and for a beautiful spring yard.

And get soil ready for fall planting of trees, shrubs and bulbs. It's an excellent time for soil tests to see what is needed. If the lawn needs patching up, this is a good time to do it.

HYDRANGEA

If your bigleaf hydrangea is in need of pruning, do the job carefully so you will not interfere with next year's crop of snow white, pink or blue flower heads. This species blooms on the tips of last year's growth.

Cut out old canes containing faded flowers. Leave all new shoots undisturbed. If weather gets severe in the winter, give protection to clumps, or the delicate terminal flower buds will be lost.

WATERING

Keep an eye on plants that have been set out recently. They may require daily watering.

Give fruiting shrubs adequate moisture; otherwise berries on such plants as nandina, holly, and pyracantha may be sparse this winter when their color adds much to the landscape.

PERENNIALS

Divide and reset the ones you now have growing in the garden. Among perennials to divide are Canterbury bell, carnation, candytuft, delphinium, oriental poppy, Shasta daisy, hollyhock and aquilegia.

If you want to start a new perennial bed, sow new seed in a semi-shaded and protected spot (such as a plant frame).

A tip on planting seed of perennials: they will germinate quicker if chilled in the refrigerator for a few days before planting. This will offset the effect of soils that are still warm, giving seedlings a head start.

FALL VEGETABLES

Now is a good time to get the garden ready for early fall plantings of greens and salad crops. Mix fertilizer and organic residue into the soil. If nematodes have been a problem in your garden, treat infected areas with an approved nematocide. Follow package directions for amounts to use and method of application.

Expect good results from lettuce, radishes, cabbage, spinach, mustard, onions, turnips and beets. For best germination of lettuce and other small seeds, keep soil moist and cool with daily sprinklings.

GROUND COVER

This is a good time to divide such ground covers as bugleweed (ajuga), mondo grass, liriope and pachysandra. Dig a clump when soil is moist. Using a sharp knife, cut the plants apart. Be sure to get a portion of roots with each division.

Use the divisions to fill in bare spots in existing plantings, or start new plantings. Re

SPRING BLOOMS IN WINTER

To have winter cheer from spring blooms, pot up hardy spring bulbs. Choose from crocus, anemone, daffodil, hyacinth, tulip and ranunculus. Plant bulbs in pots of rich garden soil, mixed one-half by one-half with potting soil.

Place pots in a cool place, such as a garage or barn. Or, sink pots in the ground and cover with a mulch. A coldframe also works well.

Keep pots evenly moist. Bring indoors in mid-December to force into bloom by late winter.

It is helpful if bulbs are stored in the refrigerator for six to eight weeks before planting. Purple varieties of crocus perform best. Unsurpassable, Cheerfulness and Tete-a-Tete daffodils usually do well as forced bulbs. Tulips are difficult, but Jingle Bells, Atilla, Red Riding Hood and Apricot Beauty usually produce nice blooms as forced bulbs.

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CAMELLIAS

As flower buds continue to develop on camellias, be sure plants receive ample water to pervent bud drop. For larger blooms, thin flower buds in each cluster, leaving only the largest on each shoot.

ATE SUMMER TASK LIST

- Prepare beds for fall and spring plantings.
- Spray unwanted weeds and grasses in paved areas with systemic herbicide as necessary.
- Edge and weed existing beds and mulch for weed control.
- Take perennial and annual cuttings to increase stock.
- Watch for lace bug, fungus, webworm, spider mites, scale and wooly adelgid.
- Remove non-bearing and dead vegetables from garden to prevent insects and diseases.
- Plant flowering cabbage and flowering kale for fall and early winter color.
- Aerate lawns in heavy clay soils.
- If needed, re-seed cool-season lawns.
- Re-pot houseplants and spray to control insects in preparation for returning plants indoors for winter.
- Remove all old fruiting canes from blackberries and raspberries. Prune new vigorous shoots to 3 feet.
- Withhold water from potted indoor amaryllis. Let foliage dry up. This is necessary for their re-blooming.
- Harvest ornamental gourds as soon as vines dry up. Cut a small bit of stem with each gourd. Let gourds dry in a cool, airy spot. After completely dry, coat with shellac.
- Root-prune shrubs to be moved in fall and winter.

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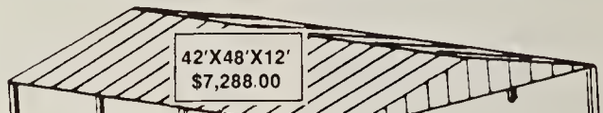

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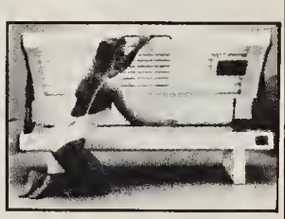

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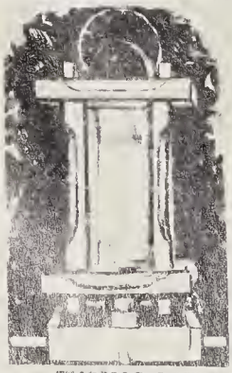

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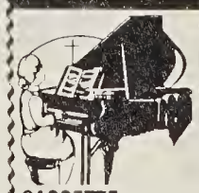

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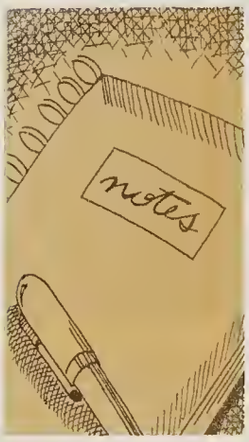
JOURNAL

BY OWEN BISHOP



ONE WRITER'S RULES ADDED "JOY, MEANING AND EFFICIENCY" TO HIS LIFE.

WHAT ARE YOUR "RULES TO LIVE BY"?

If you sat down to write a few "rules to live by" as a guide for your college bound son or daughter, do you know what you would say?

The writer H. Jackson Brown Jr. had a few things in mind for such a list when he decided to prepare one for his son. Brown thought it might serve as a "road map" of sorts for the boy as he left the security of home and family, perhaps for good.

He labored for days over this collection of "mind and heart reflections" before presenting them to his son. They meant a lot to the boy, Brown says, and they've also "added joy, meaning and efficiency" to the writer's life.

That list has been published as a book and part of it is also featured in a poster. (See box for details about the book.)

Here are just a few of Brown's entries: ◆ Watch a sunrise at least once a year. ◆ Don't whine. ◆ Buy inexpensive cars, but live in the most expensive house you can afford. ◆ Vote. ◆ Never underestimate the power of a kind word or deed.

The copyright laws won't let me share more than a few lines. For more, you'll have to look for the book or the poster.

Meanwhile, I can pass along some similar "rules" that aren't copyrighted. Ronald Sheets, executive vice president of the Kentucky statewide association of electric cooperatives, published his list in a newsletter a few years ago under the title, "Some Thoughts That Have Stood the Test of Time." He said he'd jotted them down over a 15-year period, collecting them from various sources.

Here's part of his list:

◆ Don't let individual personali sour your life when the system wo well. Personalities have a way of coming and going. Never take you self too seriously.

◆ Don't let familiarity breed co tempt. It's not unusual to be arou people of considerable quality and not realize it.

◆ Don't be too eager to point ou a mistake. ◆ Try to listen to what people say and not how they say it

◆ Progressive people talk abou ideas; average people talk about things; little people talk about oth people.

◆ Before you decide to leave yo existing job, list every good quality about it. After you leave, you will generally remember the good thing and not the the bad things.

◆ When you leave a job, leave i Don't look back. Don't criticize yo successor. Always remember that there are probably those who are capable of doing a better job than yourself.

◆ Discipline without talent goes great deal further than talent with discipline. ◆ I hear and I forget; I and I remember; I do and I under stand.

◆ If you want to hide behind something you must be smaller tha the object you get behind.

◆ Another's loyalty to us is mor accurately tested in our absence th in our presence.

◆ Always remember to dance w the date you bring to the party. Be loyal. ◆ Too much of the wrong ki of confidence can breed arrogance.

◆ Each of us has our own bowl of rice. Don't demean others by assuming their rightful responsi bility—unless they ask for your he

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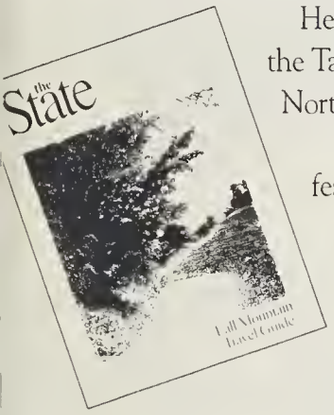

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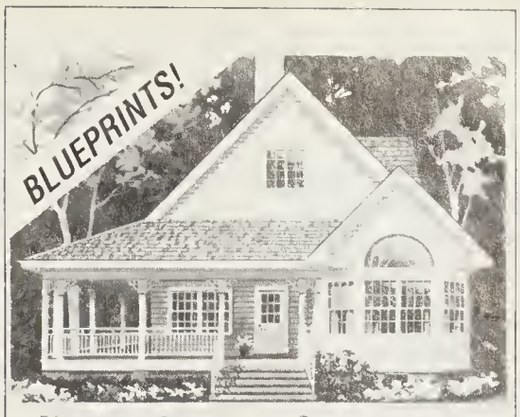

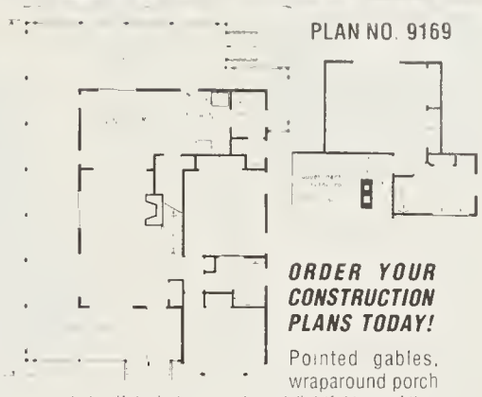

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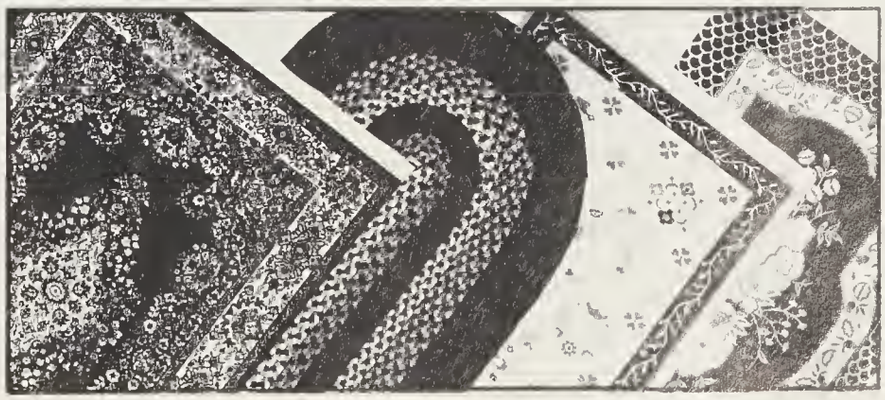

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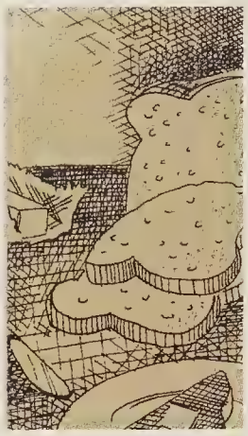
COUNTRY KITCHEN



TRY THIS DISH WITH FRESH NORTH CAROLINA SHRIMP

SHRIMP BORDELAISE

Submitted by Joni Pavlik, Moncure

1 pound raw shrimp, peeled
1 large tomato, cubed
10 large mushrooms, quartered
2 tablespoons butter or margarine
½ cup white wine
¼ cup cream or Half 'n Half
Parmesan cheese
Season with garlic, salt and curry to taste

Saute shrimp in butter or margarine, add mushrooms and wine. Add tomatoes last, with cream. Sprinkle in cheese. Serve over thin spaghetti. (Takes 20 minutes to prepare.)

WANT TO SHARE RECIPES?

If you would like to share a recipe with "Country Kitchen," send it to *Carolina Country*, P.O. Box 27306, Raleigh, N.C. 27611.

We pay $5 for recipes we publish and present each monthly winner a set of 50 recipe cards featuring a reprint of the published recipe.

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- Classic good looks
- Soft flexible uppers
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- Ribbed sole
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How can we offer them for only $10—*are they stolen?* No, they are *NOT* stolen. They're the same fabulous featherweights we nationally advertise in leading media all over America. And we really *will* offer you a pair for only $10 **(guaranteed!)** *if you are among the first 10,000 who respond to this publicity ad.*

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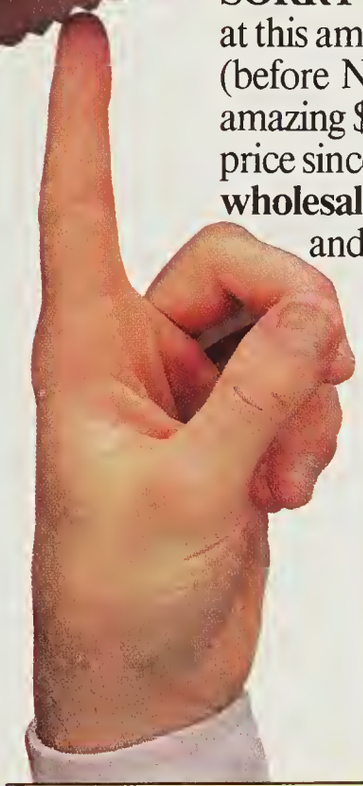
Feather-Steps are *near-weightless* to fight fatigue, *slipper-soft* to eliminate friction. Stay-cool, cushioned linings keep you cool and comfy even in summer. Non-skid soles help you walk safely on wet or icy surfaces—even the deck of a boat. Classic good looks make this the perfect all-around shoe for work and play—*so featherlight you may forget you're wearing shoes at all!*



Women's Feather-Steps Also Available!

SORRY—we reserve right to limit 5 pairs per address at this amazing price but if you respond early enough (before Nov. 25) you can order up to 7 pairs. Our amazing $10 offer will not be made in *any* store at *any* price since we sell direct to the public. **No dealers or wholesalers, please.** We reserve right to extend time and quantity guarantees. **Hurry!**

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Feather-Step Comfort Shoes		Item #	Size	Price	Quantity of Pairs	Total
Specify Men's Sizes 7-12	Black	R5225		$10		$
	Brown	R5226		$10		$
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	Black	R5380		$10		$
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		In NY & CA add sales tax				$
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(R52283-09)

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or Charge *(minimum $15)* to: ☐ VISA ☐ MASTERCARD ☐ DISCOVER

(Enter all 13 or 16 card numbers below)

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Allow up to 6-8 weeks for shipment.

SDISCOV/ADS81

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We reserve the right to substitute similar merchandise of equal or better quality. If substituted merchandise is not acceptable, you can return it postpaid during your free trial period without further obligation.

FINGERHUT CORPORATION

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Please Sign _____

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